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GEOLOGICAL SURVEY

# HYDROGRAPHY OF NEW ENGLAND SHELF AND SLOPE DATA REPORT FOR R/V OCEANUS CRUISE 122, JULY 6-15, 1982

by

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# HYDROGRAPHY OF NEW ENGLAND SHELF AND SLOPE

## DATA REPORT FOR R/V OCEANUS CRUISE 122, July 6-15, 1982

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## INTRODUCTION

This report presents hydrographic data obtained on R/V OCEANUS cruise 122, conducted from July 6-15, 1982. The hydrographic measurements (pressure, temperature, salinity, oxygen, and light transmission) were obtained across the continental slope and upper rise south of New England (between longitude 67°30' W., and longitude 68°30'W.) as part of a study of currents and sediment transport in this region.

During the R/V OCEANUS cruise 122, a total of 89 hydrographic profiles were obtained, 67 by means of a conductivity-temperature-depth (CTD) profiler and 22 by means of expendable bathythermographs (XBTs). Stations are numbered sequentially and station information is tabulated in table 1. The stations were arranged into ten sections. Six sections (10-20 km apart) began in a water depth of about 80 m and crossed the upper slope to a depth of about 1500 m (fig. 1). Two sections followed the axis of Lydonia and Oceanogapher Canyon, and four sections crossed Lydonia and Oceanographer canyons perpendicular to the canyon axis (fig. 1 and 2).

## OBJECTIVES

This survey was designed to provide hydrographic sections in and adjacent to Lydonia, Gilbert, and Oceanographer Canyons during the summer of 1982. The sections were designed to aid in the interpretation of currents, temperature, pressure and light transmission measured by a large moored instrument array (fig. 3) located around Lydonia and Oceanographer Canyons (Butman, 1986; Butman and Conley, 1984).

## STATION PROCEDURES

At each XBT station, a water sample for surface salinity (table 2) was obtained using a bucket sampler and an XBT was released while the ship was underway. At each CTD station, the ship was stopped and a surface-water sample was obtained, using a bucket sampler, for analysis of salinity. The CTD was lowered and held slightly below the surface while a 5-liter Niskin bottle was attached 3 m above the top of the CTD unit and CTD surface readings, latitude, longitude, and water depth were recorded in a deck log. The CTD was then lowered at approximately 30 m/min and stopped approximately 2-5 m above bottom. After the deepest readings were recorded, the Niskin bottle was closed by a messenger and a water sample was obtained. The CTD was then raised at approximately 50 m/min and stopped at the surface while CTD readings were recorded in the deck log. The Niskin bottle was removed and one water sample was withdrawn for measurement of deep salinity (table 3) and 1 to 3 samples for measurement of oxygen (table 3). Samples for nutrient analysis

($PO_4$, $SiO_4$, $NO_3$, $NO_2$, and $NH_3$) were obtained at 59 stations; the analysis (table 4) was performed later at the Woods Hole Oceanographic Institution (WHOI). Approximately 2 liters of sea water were withdrawn for determination of suspended matter concentration. Deep salinity samples were obtained at 22 stations. The oxygen samples obtained at 22 stations were used to calibrate the CTD (see table 3 and instrument calibration section). Suspended-matter concentration was measured at 14 stations by filtering the seawater through preweighed, paired 0.45-µm Millipore filters, rinsing with distilled water to remove salts, air drying the filters under a laminar flow hood and reweighing. The suspended matter and the corresponding light attenuation coefficient at the sample depth are listed in table 5. Meterological observations obtained during the cruise are listed in tables 6 and 7.

## INSTRUMENT DESCRIPTION

The CTD profiler (Neil Brown Instrument Systems, Mark III) was modified to also measure oxygen and light transmission. A scan of data (conductivity, temperature, pressure, oxygen current, oxygen temperature, and light transmission) was obtained 32 times each second. Conductivity was measured with a miniature four-electrode alumina ceramic cell (Neil Brown Instrument Systems, model no. B10086). The temperature sensor was a platinum resistance thermometer (Rosemount Engineering Co., model 171-BJ) mounted in a temperature bridge with a reference resistor. Pressure was measured with a bonded wire strain gauge bridge (Standard Control, Inc., model no. 211-35-440). The dissolved oxygen was computed from a time average measurement (1.024 s) of the current and internal temperature of a polargraphic membrane (Beckman model no. 147737). Light transmission was measured using a Sea Tech 25-cm path length transmissometer (Bartz and others, 1978) mounted horizontally inside the CTD cage. The light source was a light-emitting diode with a wavelength of 660 nm and a beam diameter of 20 mm. All sensor ranges, accuracies, and resolutions from manufacturers' specifications are listed in Appendix II. For more detailed technical description of the CTD system, see Brown and Morrison (1978), and for more detailed description of field performance, see Fofonoff and others (1974).

Expendable bathythermographs or XBT's (Sippican Ocean Systems, models T-4, T-5, T-6, T-7, and T-10) were used to measure vertical temperature profiles. Systematic differences in XBT (models T-4 and T-7) and CTD profiles have been reported by Heinmiller and others (1983) from field data. They found mean temperature difference (XBT minus CTD) of 0.19°C and 0.13°C for the T-4 and T-7 compared to the generally accepted accuracy of ~0.1°C (Georgi and others, 1980). They also found that the mean T-7 depth error was within the generally accepted depth accuracy of ±2% of the recorded depth (Stegen and others, 1975) but the T-4 XBT's exceeded this below ~200 m. The XBT data in this report were not corrected for these possible systematic errors.

The salinity of water samples collected during the CTD cast was measured with a salinometer (Guildline Autosal 8400) and the oxygen was measured according to the Winkler chemical titrations method (Strickland and Parson, 1972). The accuracies of both methods are listed in Appendix II.

Navigation was by a Northstar 6000 Loran-C, and latitude and longitude were determined by the Northstar 5101 algorithm. The Northstar latitude/ longitude grid in this region is offset from true latitude/longitude by about

0.92 km toward 294.5° (Butman and Moody, 1984). Water depth at each station was measured with a Gifft echo sounder.

## INSTRUMENT CALIBRATION

### Temperature time-lag

The platinum resistance thermometer time constant (Tlag = 0.125 s) was selected to minimize density inversions in regions of strong thermal gradients. Since the temperature sensor had a slower response then the conductivity and pressure sensors, an exponential recursive filter (Bendat and Piersol, 1971) was applied to the conductivity and pressure series to lag these variables to match the temperature (Millard, 1982). The digital form of the filter is:

$y(t) = y(t-dt) \cdot W0 + x(t) \cdot W1$

dt = CTD sampling time interval = 0.03125 s

y(t) is the filtered output of conductivity or pressure

y(t-dt) is the previous value

x(t) is the unfiltered input

$W0 = e^{-dt/Tlag}$

$W1 = 1 - W0$

A precruise laboratory calibration of the CTD temperature had been done on January 5, 1982 at the Woods Hole Oceanographic Institution, and the temperature offset (calibration bath minus CTD) ranged between -0.0081°C at 5° and -0.0099°C at 15°C. No correction was made to the temperatures measured by the CTD to account for these offsets.

### Salinity

Salinity in practical salinity units, psu, (Lewis, 1980) and sigma-t were calculated from conductivity, temperature, and pressure using the 1980 equation of state for seawater (Millero, 1980) and algorithms given by Fofonoff and Millard (1983). The surface salinity of the bucket samples for 65 stations were measured with the Guildline Autosal 8400 after the cruise and the values are listed in table 2 along with the CTD salinity value closest to the surface; the difference between measurements was typically 0.024 psu. Deep salinity values from the Niskin bottle were obtained at 47 stations; 25 had positive difference (bottle salinity-CTD salinity) greater than 0.040 psu which was the standard deviation of the difference for OCEANUS cruise 130 and 140. There was a slight trend for greater differences from deeper samples suggesting that the Niskin bottle may have leaked as it passed upward from low salinity through overlaying higher salinity water. The deep bottle salinities listed in table 3 are for those 22 stations where the difference was less than 0.040 psu. The typical standard deviation of salinity for these 22 stations was ±0.021 psu and the estimated error in salinity ($\Delta S$) due to the uncertainity in the sample depth was typically 0.015 psu (table 3). A precruise laboratory calibration of conductivity was done on January 5, 1982 at WHOI, and the offset (calibration bath minus CTD) ranged from 0.0058 mmho to 0.0070 mmho, which corresponds to salinity offsets of 0.005 to 0.007 psu. Based on this laboratory calibration no correction was made to the salinities reported here.

## Oxygen

Oxygen was computed using an algorithm (Owens and Millard, 1984) with six adjustable parameters (OXB, OCS, $\tau$, tcor, WT, pcor) that were determined by comparison with water sample oxygen values. The oxygen algorithm is:

$$OX = \left[ OXB + OCS \left( OC + \tau \frac{dOC}{dt} \right) \right] . OXSAT . e^{tcor \cdot (T + WT(ot - T)) + pcor . p}$$

where:

OX = CTD dissolved oxygen value in mL/L
T = CTD water temperature in $^{o}$C
p = CTD pressure in dbar
OC = CTD oxygen current in $\mu$A
ot = CTD oxygen probe internal temperature in $^{o}$C
OXB = oxygen current bias
OCS = oxygen current slope in $\mu A^{-1}$
$\tau$ = oxygen diffusion in time-lag constant in s
t = time
tcor = temperature correction factor ($^{o}C^{-1}$) for membrane permeability
WT = weighting fraction of oxygen probe internal temperature
pcor = pressure correction factor (dbar$^{-1}$) for membrane permeability
OXSAT = oxygen saturation value in mL/L after Weiss (1970).

The deep-water samples from 22 CTD casts (where $|$bottle salinity-CTD salinity$| < 0.04$) were measured by the Winkler chemical titration method for determining dissolved oxygen (Strickland and Parsons, 1972). In order to increase the number of measured oxygen values for determining the calibration constants, it was assumed that the water was saturated at the surface and the 22 surface saturation values were included with the 22 deep-water oxygen values to give 44 calibration points. Due to the limited calibration values, the correction factors for membrane permeability (tcor and pcor) were fixed at -0.0353 and $1.15 \times 10^{-4}$, respectively, based on values determined by R. C. Millard (pers. commun., 1985) at the Woods Hole Oceanographic Institution.

The oxygen-diffusion time-lag constant $\tau$ (Owens and Millard, 1984) is important only in regions of sharp changes in oxygen. These regions were usually small and seldom located near the deep-water samples so that the parameter was initially ignored in the regression and determined later by trial and error.

The parameters OCS, OXB, and WT were determined by a non-linear regression fit (SAS Institute, Inc., 1982) to the 44 calibration points. The values (± standard error) were OCS = $2.91 \pm 0.04$, OXB = $-0.02 \pm 0.03$, and WT = $0.51 \pm 0.05$.

The remaining parameter $\tau$ was determined by creating plots of down and upcast with different values of $\tau$. The final value of $\tau = 6.00$ s was chosen to minimize the hysteresis in regions of sharp gradients and still retain detailed structure. Table 3 compares the values obtained by chemical titration and the CTD-computed oxygen values for 22 samples. The surface samples from stations 6, 58 and 64 and the deep samples from stations 6 and 38 were deleted from the non-linear regression fit because they exceeded a minimum error criteria. The mean residual (measured minus computed) for all 22 samples is -0.05 mL/L with a standard deviation of ±0.17 mL/L. The estimated error in oxygen ($\Delta O_2$) due to the uncertainity in the sample depth was typically 0.06 mL/L for all stations (table 3).

## Light transmission

The beam attenuation coefficient, ATN (in $m^{-1}$) over a 100-cm path length, was computed from the measured transmissometer voltages (TR) using

$$ATN = -\frac{1}{0.25}\ln\left(\frac{TR}{TR_{cw}}\right)$$

where $TR_{cw}$ is the voltage measured in clear water. $TR_{cw}$ is approximately 0.95 times the measured voltage in air (Bartz and others, 1978) or can be determined in a laboratory tank (see Moody and others, 1986, for method). The transmission sensor (SN 46) was calibated in the laboratory before and after the cruise and gave a value of $TR_{cw}$ equal to 4.47 volts.

## Accuracy

Based on calibrations, the CTD temperature, salinity, and oxygen data are accurate to ±0.01°C, 0.01 psu and ±0.2 mL/L, respectively. The changes in the transmission voltage are accurate to ±0.04 volts so that with a typical output voltage of 4.00 volts the attenuation coefficient are accurate to about ±0.04 $m^{-1}$ in clear water. Because there is some uncertainity in the normalization voltage for the transmissometer however, the absolute value of the coefficients could be offset by a constant.

## DATA PROCESSING

The CTD data (pressure, temperature, conductivity, oxygen current, oxygen temperature, and light transmission) were recorded at sea on both 9-track magnetic tape (see Appendix III) and 1/4" FM tape. The data were processed ashore using the techniques described by Millard (1982). The original 9-track data tapes were first checked for proper format and station sequence, and the data were then transferred to disc storage. The data obtained on both upcast and downcast were subsampled (usually every 100 to 200 points), listed, and plotted to check instrument performance. Spurious points were identified and replaced with the previous good value using range filters for each variable. The ranges were typically 1 variable unit except for transmission, which was 0.05-0.10 volts. The conductivity and pressure data were time lagged to correct for the time constant of the temperature sensor (see above), and then the pressure was filtered to obtain a monotonically increasing series of water depths. Any unrealistic density inversions not deleted by the range filter were identified by a point-editing program and replaced by interpolating between adjacent values of density. The editor recomputed the salinity from the interpolated values of density and the original temperature. Any spurious points in light transmission and oxygen not already deleted by the range filter were deleted using the point editor. The data were averaged over 2-dbar pressure intervals; at about 10 dbar above the bottom, this was changed to a 1-dbar average. These averaged data were used to contour the hydrographic sections presented in this report. The data have been submitted to the National Oceanographic Data Center (NODC), Whitehaven St., NW, Washington, D. C., 20235.

The XBT data were recorded on a strip chart. The traces were digitized approximately every 2 m with a depth accuracy of ±1 m and a temperature accuracy of ±0.2°C. The XBT data were not averaged to 2-dbar intervals due to the irregular number of data points.

## DATA PRODUCTS

### Vertical sections

The hydrographic data are presented in several ways. Vertical sections are shown in figures 4-13. The sections are numbered as OC122-N, where N is the section number (see fig. 1 and 2 and column 2 of table 1). The station numbers for each section are labeled across the top along with the station type (C = CTD or X = XBT). The surface value of the contoured variable is printed below. The vertical scale (1 cm = 40 m) is the same for all sections. The horizontal scale (1 cm = 1 km) for the sections 2, 3, 8 and 9 across a canyon is not the same as the horizontal scale (1 cm = 6.5 km) for the sections parallel to the canyon axis (1, 4, 5, 6, 7 and 10). The bathymetry for most sections is defined only by the depth at each station; thus the bottom profile is slightly different for sections where there are XBT stations in addition to the CTD stations. Contours were particularly difficult to draw near the walls in the cross-canyon sections where there was often only one station in the center of the axis.

The contour interval for each variable is the same for all sections and every fifth contour is thicker. Because of the contouring algorithms used, these sections do not show much detail at vertical scales less than 10 m and are intended to give an overall picture of the hydrography.

The sections showing temperature, salinity, sigma-t, and oxygen used the 2-dbar-averaged data which were contoured using DISSPLA graphic subroutines (Integrated Software Systems Corp., 1981). These subroutines require data on a regularly spaced grid in both the horizontal and vertical. A regularly spaced vertical grid of 2N-1 grid lines, where N is the number of stations, was constructed for each hydrographic section. The leftmost and rightmost vertical grid lines were set at the first and last stations in the section. The spacing between the remaining vertical grid lines was determined by computing the sum of the great circle distance, L, between successive stations along the trackline and dividing by 2N-2. The position of the equally spaced interior, vertical grid lines does not always correspond to a station location. Horizontal grid lines were spaced every 10 m. A grid cell was 10 m high and L/(2N-2) km wide.

Data values at each regularly spaced grid point were computed as a weighted average of the irregularly spaced data within a region of usually five grid cells (1 cell centered on the grid point and 2 cells on either side). The data were weighted by $D^{-3}$ where D is the distance (in grid units) between the location of the data values and the grid point. This smoothing removes some of the fine structure from the sections and may spread some of the frontal features.

The contouring algorithm has no provisions for terminating contours at the sea floor and requires data in a rectangular format. For the sections in this data report, the left and right boundaries are the left and right vertical grid lines, the top boundary was the sea surface, and the bottom boundary was the deepest cast in the section. To speed contouring and to obtain reasonable contours at the sea floor, data were provided below the measurement depth by repeating the data measured at the greatest depth to a distance H into the bottom below the last measured value. Data below the distance H were taken from values observed at an adjacent (deeper) station, shifted upward or downward by a constant so that the values matched at the starting depth. In some cases the values from an adjacent station were inserted below the depth H without adjusting by a constant. The constant distance below H ranged from 0 to 100 m and was adjusted for each station to make the contours meet the sea floor in as reasonable a way as possible. The shape and slope of the contours near the sea floor should be interpreted with care. Contours below the sea floor were deleted in the sections presented here.

The contouring algorithm used a linear interpolation between the adjacent regularly spaced points. The tension parameter, which controls the smoothness vs. straight line connection of points of equal value, was varied over its entire range between 1 and 10 and little difference was noted in the contours due to the high density of data points used to control the contours.

## Horizontal sections

Horizontal sections of temperature, salinity, sigma-t, oxygen, and light attenuation were contoured for the 10-, 50-, 100-, and 200- dbars pressure surfaces within the region between Oceanographer and Lydonia Canyon (figs. 14-18) and within the smaller region surrounding Lydonia Canyon (figs. 21-41). Surface salinity values from the bucket sampler have been contoured in fig. 15a. Surface values of phosphate, silicate, nitrate and ammonia were also contoured for the large region (figs. 19-20) and within the smaller region (figs. 42-45). Because of the sparse data, all horizontal sections were contoured by hand.

## TS diagrams

Plots of temperature versus salinity (TS plots, figs. 40-52) were organized by section (see column 2 of table 1). The symbol for each station was plotted every 100 dbar and the 100-, 200- and 600-dbar points have been annotated.

## Scatter Plots

Plots of attenuation coefficient versus temperature, salinity, sigma-t and oxygen included data between 0 and 100 dbars from all CTD stations were made to illustrate the attenuation maximum around 45 dbars (figs. 66-69).

## Station profiles

Plots of temperature, salinity, sigma-t, light attenuation coefficient, and buoyancy or Brunt-Vaisala frequency

$$N^2 = -(g/\rho)\,\frac{\partial\rho}{\partial z}$$

($\rho$ = water density, g = gravity) as a function of pressure at each station are shown in figures 70-157. For the Brunt-Vaisala frequency, density was determined using the 1980 equation of state (Millero and others, 1980), and the gradient of the specific volume anomaly was estimated from a least squares fit of a straight line to nine observations (±8 dbar) centered about the specified depth. The Brunt-Vaisala frequency was not computed for the first four average depths nor for the last four average depths; the magnitudes of N listed at these depths are the same as the Brunt-Vaisala frequency for the fifth and fifth-to-last depths, respectively. The different symbols used to distinguish variables are shown on each variable axis. XBT profiles have been limited to 500 m. The units of salt are practical salinity units (psu) and are defined by Lewis (1980).

## Data listing

A listing of the 2-dbar-averaged data is contained in Appendix I. For the data listings, time is in Eastern Standard Time, SALIN is the salinity, OXY is the dissolved oxygen, ATN is the beam attenuation coefficient, SIGT is the density anomaly sigma-t, N is the Brunt-Vaisala frequency, DYHT A is the dynamic height anomaly, and S SPD is the speed of sound in seawater computed using a Fortran subroutine given in Fofonoff and Millard (1983). For pressures greater than 500 dbar, the 2-dbar-averaged data are listed at 20-dbar intervals.

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## REFERENCES

Bartz, R., Zanevald, J. R. V., and Pak, H., 1978, A transmissometer for profiling and moored observations in water: SPIE Ocean Optics V, v. 160, p. 102-108.

Bendat, J. S., and Piersol, A. G., 1971, Random data: Analysis and measurement procedures: New York, Wiley-Interscience. 407 p.

Brown, N. L., and Morrison, G. K., 1978, Woods Hole Oceanographic Institution/Brown conductivity, temperature and depth microprofiler: Woods Hole Oceanographic Institution Technical Report 78-23, unpublished manuscript.

Butman, B., 1986, North Atlantic Slope and Canyon Study, Final Report to U.S. Minerals Management Service: unpublished administrative report, vol. II, chapter 2.

Butman, B. and Conley, S. J., 1984, Lydonia Canyon Experiment: Data report for moored array deployment I, October 1980 - April 1981, U.S. Geological Survey Open-File Report 84-201, 223 p.

Butman, B., and Moody, J. A., 1984, Bathymetric map of Lydonia Canyon, U.S. Atlantic Outer Continental Shelf: U.S. Geological Survey Miscellaneous Field Studies Map MF-1710.

Fofonoff, N. P., Hayes, S. P., and Millard, R. C., Jr., 1974, Woods Hole Oceanographic Institution/Brown microprofiler: Methods of calibration and data handling: Woods Hole Oceanographic Institution Technical Report No. 74-89, unpublished manuscript.

Fofonoff, N. P., and Millard, R. C., Jr., 1983, Algorithms for computation of fundamental properties of sea water: Paris, UNESCO Technical Papers in Marine Science, no. 44.

Georgi, D. T., Dean, J. P., and Chase, J. A., 1980, Temperature calibration of expendable bathythermographs: Ocean Engineering, v. 7, p. 491-499.

Heinmiller, R. H., Ebbesmeyer, A. C., Taft, B. A., Olsen, D. B., and Nikitin, O. P., 1983, Systematic errors in expendable bathythermograph (XBT) profiles: Deep-Sea Research, v. 30, no. 11A, p. 1185-1197.

Integrated Software Systems Corporation, 1981, DISSPLA, Display integrated software system and plotting language users manual, version 9.0: San Diego, Calif., Integrated Software Systems.

Lewis, E. L., 1980, The practical salinity scale 1978 and its antecedents: IEEE Journal of Ocean Engineering, v. OE-5, no. 1, p. 3-8

Millard, R. C., Jr., 1982, CTD calibration and data processing techniques at WHOI using the 1978 practical salinity scale: Proceedings of the International STD Conference and Workshop, La Jolla, Calif., 8-11 February 1982, Marine Technology.

Millero, F. J., Chen, C.-T., Bradshaw, A., and Schleider, K., 1980, A new high-pressure equation of state for seawater: Deep-Sea Research, v. 27A, p. 255-264.

Moody, J. A., Butman, B., and Bothner, M. H., 1987, Estimates of near-bottom suspended matter concentration during storms: Continental Shelf Research. (In press).

Owens, W. Brechner, and Millard, Robert C., Jr., 1985, A new algorithm for CTD oxygen calibration: Journal of Physical Oceanography, v. 15, no. 5, p. 621-631.

SAS Institute, Inc., 1982, SAS user's guide: Statistics: North Carolina, 584 p.

Stegen, G. R., Delisi, D. P., and Von Collii, R. C., 1975, A portable, digital recording, expendable bathythermograph (XBT) system: Deep-Sea Research, v. 22, p. 447-453.

Strickland, J. D. H., and Parson, T. R., 1972, A practical handbook of sea water analysis: Fisheries Research Board of Canada, Ottawa, 310 p.

Weiss, R. F., 1970, The solubility of nitrogen, oxygen and argon in water and sea water: Deep-Sea Research, v. 17, p. 721-735.

Table 1. Hydrographic stations R/V OCEANUS Cruise 122, July 6-14, 1982. Station letters following the station indicate a mooring location (see fig. 3).

| Station | Section | Date (EST) | Time | Latitude (N.) | Longitude (W.) | Water Depth (m) | Type |
|---|---|---|---|---|---|---|---|
| 1 |  | JUL 6 | 1932 | 40° 40.13' | 70° 00.33' | 50 | CTD |
| 2 |  | JUL 7 | 0554 | 40° 33.84' | 67° 44.99' | 100 | CTD |
| 3 LCQ |  | JUL 7 | 1146 | 40° 27.28' | 67° 38.04' | 155 | CTD |
| 4 LCB |  | JUL 7 | 1745 | 40° 31.51' | 67° 42.82' | 287 | CTD |
| 5 LCU |  | JUL 11 | 1620 | 40° 32.19' | 67° 44.24' | 155 | CTD |
| 6 | 1 | JUL 12 | 1020 | 40° 40.45' | 67° 40.50' | 89 | CTD |
| 7 | 1 | JUL 12 | 1115 | 40° 36.68' | 67° 38.73' | 85 | CTD |
| 8 LCL | 1 | JUL 12 | 1205 | 40° 32.52' | 67° 36.64' | 123 | CTD |
| 9 | 1 | JUL 12 | 1254 | 40° 27.82' | 67° 34.99' | 138 | CTD |
| 10 LCL | 1 | JUL 12 | 1344 | 40° 23.12' | 67° 32.89' | 235 | CTD |
| 11 | 1 | JUL 12 | 1430 | 40° 20.06' | 67° 31.72' | 730 | XBT |
| 12 | 1 | JUL 12 | 1512 | 40° 16.62' | 67° 30.43' | 1280 | CTD |
| 13 |  | JUL 12 | 1534 | 40° 16.35' | 67° 30.01' | 1220 | XBT |
| 14 | 4 | JUL 12 | 1625 | 40° 17.49' | 67° 39.08' | 1205 | CTD |
| 15 | 4 | JUL 12 | 1732 | 40° 20.90' | 67° 39.54' | 675 | XBT |
| 16 | 4 | JUL 12 | 1802 | 40° 24.06' | 67° 39.71' | 635 | CTD |
| 17 | 2 | JUL 12 | 1903 | 40° 25.84' | 67° 43.00' | 139 | CTD |
| 18 | 2 | JUL 12 | 1930 | 40° 26.36' | 67° 41.41' | 140 | CTD |
| 19 LCT | 2 | JUL 12 | 1953 | 40° 26.53' | 67° 40.70' | 185 | CTD |
| 20 |  | JUL 12 | 2001 | 40° 26.97' | 67° 40.52' | 210 | CTD |
| 21 | 2 | JUL 12 | 2013 | 40° 26.59' | 67° 40.31' | 255 | CTD |
| 22 | 4,2 | JUL 12 | 2027 | 40° 26.58' | 67° 40.06' | 531c | CTD |
| 23 LCR | 2 | JUL 12 | 2121 | 40° 26.59' | 67° 39.18' | 350 | CTD |
| 24 | 2 | JUL 12 | 2155 | 40° 26.52' | 67° 38.29' | 175 | CTD |
| 25 | 2 | JUL 12 | 2216 | 40° 26.53' | 67° 36.94' | 149 | CTD |
| 26 | 4 | JUL 12 | 2306 | 40° 29.01' | 67° 44.07' | 395 | CTD |
| 27 | 3 | JUL 12 | 2353 | 40° 30.36' | 67° 44.88' | 127 | CTD |
| 28 | 3 | JUL 13 | 0018 | 40° 30.94' | 67° 43.72' | 130 | CTD |
| 29 | 3 | JUL 13 | 0038 | 40° 31.18' | 67° 43.18' | 167 | CTD |
| 30 | 4,3 | JUL 13 | 0102 | 40° 31.39' | 67° 42.85' | ~315 | CTD |
| 31 | 3 | JUL 13 | 0135 | 40° 31.65' | 67° 42.34' | 145 | CTD |
| 32 | 3 | JUL 13 | 0154 | 40° 31.89' | 67° 41.81' | 129 | CTD |
| 33 | 3 | JUL 13 | 0214 | 40° 32.57' | 67° 40.91' | 125 | CTD |
| 34 | 4 | JUL 13 | 0244 | 40° 31.77' | 67° 43.30' | 217 | CTD |
| 35 | 4 | JUL 13 | 0300 | 40° 31.65' | 67° 43.13' | 265 | CTD |
| 36 | 4 | JUL 13 | 0352 | 40° 32.10' | 67° 44.22' | 167 | CTD |
| 37 | 4 | JUL 13 | 0420 | 40° 33.13' | 67° 44.43' | 120 | XBT |
| 38 | 4 | JUL 13 | 0437 | 40° 33.56' | 67° 44.47' | 108a | CTD |
| 39 | 4 | JUL 13 | 0502 | 40° 35.02' | 67° 44.60' | 95 | XBT |
| 40 | 4 | JUL 13 | 0557 | 40° 39.41' | 67° 45.66' | 78 | CTD |

Table 1. continued. Hydrographic stations R/V OCEANUS Cruise 122, July 6-14, 1982. Station letters following the station indicate a mooring location (see fig. 3).

| Station | Section | Date (EST) | Time | Latitude (N.) | Longitude (W.) | Water Depth (m) | Type |
|---|---|---|---|---|---|---|---|
| 41 | 5 | JUL 13 | 0834 | 40° 39.97' | 67° 51.01' | 95 | CTD |
| 42 | 5 | JUL 13 | 1042 | 40° 29.46' | 67° 48.99' | 113c | CTD |
| 43 | 5 | JUL 13 | 1124 | 40° 25.59' | 67° 47.31' | 150c | CTD |
| 44 | 5 | JUL 13 | 1153 | 40° 23.05' | 67° 46.45' | 155a | XBT |
| 45 | 5 | JUL 13 | 1210 | 40° 21.34' | 67° 45.71' | 193c | CTD |
| 46 | 5 | JUL 13 | 1244 | 40° 18.01' | 67° 44.22' | 770 | XBT |
| 47 | 5 | JUL 13 | 1304 | 40° 15.14' | 67° 42.97' | 1345 | CTD |
| 48 | | JUL 13 | 1341 | 40° 15.14' | 67° 42.54' | 1345b | XBT |
| 49 | 6 | JUL 13 | 1513 | 40° 14.30' | 67° 57.60' | 800 | CTD |
| 50 | 6 | JUL 13 | 1552 | 40° 14.30' | 67° 57.60' | 800b | XBT |
| 51 | 6 | JUL 13 | 1653 | 40° 16.43' | 67° 59.52' | 330 | XBT |
| 52 | 6 | JUL 13 | 1736 | 40° 18.96' | 67° 59.53' | 192 | CTD |
| 53 | 6 | JUL 13 | 1825 | 40° 21.36' | 67° 59.34' | 145 | XBT |
| 54 | 6 | JUL 13 | 1851 | 40° 24.18' | 68° 00.27' | 143 | CTD |
| 55 | 6 | JUL 13 | 1941 | 40° 29.53' | 68° 00.48' | 121 | CTD |
| 56 | 6 | JUL 13 | 2051 | 40° 35.02' | 68° 00.57' | 93 | CTD |
| 57 | 6 | JUL 14 | 0350 | 40° 39.94' | 68° 00.68' | 85 | CTD |
| 58 | 7 | JUL 14 | 0530 | 40° 37.30' | 68° 17.53' | 83 | CTD |
| 59 | 7 | JUL 14 | 0600 | 40° 34.12' | 68° 16.21' | 95c | XBT |
| 60 OCA | 7 | JUL 14 | 0620 | 40° 30.73' | 68° 14.85' | 101c | CTD |
| 61 | 8 | JUL 14 | 0657 | 40° 30.28' | 68° 11.08' | 119 | XBT |
| 62 | 8 | JUL 14 | 0707 | 40° 30.02' | 68° 11.08' | 130 | CTD |
| 63 | 8 | JUL 14 | 0725 | 40° 29.50' | 68° 11.05' | 175a | XBT |
| 64 OCB | 7,8 | JUL 14 | 0728 | 40° 29.44' | 68° 11.10' | 201c | CTD |
| 65 | 8 | JUL 14 | 0750 | 40° 28.97' | 68° 11.05' | 158 | CTD |
| 66 | 8 | JUL 14 | 0811 | 40° 27.93' | 68° 11.10' | 125 | CTD |
| 67 | 8 | JUL 14 | 0850 | 40° 30.99' | 68° 11.11' | 110 | CTD |
| 68 | 7 | JUL 14 | 0916 | 40° 28.28' | 68° 09.04' | 380 | CTD |
| 69 | | JUL 14 | 0941 | 40° 26.93' | 68° 09.92' | 138 | XBT |
| 70 | 9 | JUL 14 | 0954 | 40° 24.93' | 68° 11.02' | 140 | CTD |
| 71 | 9 | JUL 14 | 1014 | 40° 24.96' | 68° 10.06' | 150 | CTD |
| 72 | 9 | JUL 14 | 1033 | 40° 24.99' | 68° 09.02' | 235a | CTD |
| 73 | 9 | JUL 14 | 1050 | 40° 24.98' | 68° 08.18' | 420 | XBT |
| 74 OCC | 7,9 | JUL 14 | 1054 | 40° 24.99' | 68° 07.84' | 520 | CTD |
| 75 | 9 | JUL 14 | 1125 | 40° 25.00' | 68° 07.36' | 455 | XBT |
| 76 | 9 | JUL 14 | 1131 | 40° 25.01' | 68° 07.04' | 285 | CTD |
| 77 | 9 | JUL 14 | 1206 | 40° 25.04' | 68° 05.97' | 148 | CTD |
| 78 | 9 | JUL 14 | 1230 | 40° 25.00' | 68° 04.95' | 146 | CTD |
| 79 | 7 | JUL 14 | 1311 | 40° 20.74' | 68° 08.06' | 691a | XBT |
| 80 | 7 | JUL 14 | 1350 | 40° 15.02' | 68° 07.10' | 1020 | CTD |
| 81 | | JUL 14 | 1427 | 40° 15.12' | 68° 07.43' | 955 | XBT |

Table 1. continued. Hydrographic stations R/V OCEANUS Cruise 122, July 6-14, 1982. Station letters following the station indicate a mooring location (see fig. 3).

| Station | Section | Date (EST) | Time | Latitude (N.) | Longitude (W.) | Water Depth (m) | Type |
|---|---|---|---|---|---|---|---|
| 82 | 10 | JUL 14 | 1500 | 40° 13.10' | 68° 14.23' | 575 | CTD |
| 83 | 10 | JUL 14 | 1609 | 40° 15.99' | 68° 17.07' | 255a | XBT |
| 84 | 10 | JUL 14 | 1637 | 40° 17.21' | 68° 17.57' | 175 | CTD |
| 85 | 10 | JUL 14 | 1723 | 40° 19.34' | 68° 19.34' | 142 | XBT |
| 86 | 10 | JUL 14 | 1750 | 40° 22.10' | 68° 20.78' | 117 | CTD |
| 87 | 10 | JUL 14 | 1832 | 40° 25.50' | 68° 23.35' | 103 | XBT |
| 88 | 10 | JUL 14 | 1909 | 40° 28.69' | 68° 25.58' | 92 | CTD |
| 89 | 10 | JUL 14 | 2008 | 40° 33.43' | 68° 28.58' | 80 | CTD |

a--estimated from XBT trace
b--same location as CTD
c--1 m greater than maximum pressure of CTD cast.

Table 2. Surface salinities for R/V OCEANUS Cruise 122, July 6-15, 1982.

| Stat. | CTD Depth (dbar) | SALINITY CTD (psu) | Bottle (o/oo) | Diff. |
|---|---|---|---|---|
| 2 | 2 | 34.100 | 34.281 | 0.181 |
| 3 | 3 | 35.443 | 35.479 | 0.036 |
| 4 LCB | 4 | 35.471 | 35.493 | 0.022 |
| 5 LCB | 3 | 35.279 | 35.337 | 0.058 |
| 6 | 4 | 34.127 | 34.161 | 0.034 |
| 7 | 3 | 33.896 | 33.972 | 0.076 |
| 8 | 2 | 34.943 | 35.014 | 0.071 |
| 9 | 2 | 35.355 | 35.399 | 0.044 |
| 10 LCI | 2 | 35.221 | 35.250 | 0.029 |
| 11 | XBT | - | 35.363 | - |
| 12 | 2 | 34.965 | 34.991 | 0.026 |
| 14 | 2 | 34.814 | 35.158 | 0.344 |
| 15 | XBT | - | 34.962 | - |
| 16 | 1 | 35.079 | 05.090 | 0.011 |
| 18 | 1 | 35.178 | 35.273 | 0.095 |
| 19 | 1 | 35.175 | 35.194 | 0.019 |
| 21 | 1 | 35.169 | 35.181 | 0.012 |
| 22 | 1 | 35.150 | 35.182 | 0.032 |
| 23 | 1 | 35.148 | 35.165 | 0.017 |
| 24 | 1 | 35.179 | 35.188 | 0.009 |
| 26 | 2 | 35.379 | 35.362 | -0.017 |
| 27 | 1 | 35.277 | 35.299 | 0.022 |
| 29 | 1 | 35.277 | 35.289 | 0.011 |
| 31 | 1 | 35.270 | 35.280 | 0.010 |
| 32 | 1 | 35.263 | 35.277 | 0.014 |
| 33 | 1 | 35.212 | 35.240 | 0.028 |
| 34 | 1 | 35.269 | 35.289 | 0.020 |
| 36 LCU | 2 | 35.289 | 35.293 | 0.004 |
| 37 | XBT | - | 35.316 | - |
| 38 | 2 | 35.306 | 35.337 | 0.031 |
| 39 | XBT | - | 35.293 | - |
| 41 | 2 | 35.282 | 35.337 | 0.055 |
| 42 | 2 | 35.258 | 35.269 | 0.011 |
| 43 | 2 | 35.221 | 35.238 | 0.017 |
| 44 | XBT | - | 35.146 | - |
| 45 | 2 | 35.108 | 35.125 | 0.017 |
| 46 | XBT | - | 35.033 | - |
| 47 | 2 | 34.901 | 35.097 | 0.196 |
| 49 | 2 | 35.421 | 35.027 | -0.394 |
| 50 | XBT | - | 35.423 | - |
| 51 | XBT | - | 35.344 | - |
| 52 | 2 | 35.183 | 35.202 | 0.019 |
| 53 | XBT | - | 34.926 | - |
| 54 | 2 | 34.779 | 34.717 | -0.062 |
| 55 | 3 | 34.622 | 34.629 | 0.007 |
| 56 | 3 | 35.063 | 35.094 | 0.031 |
| 57 | 2 | 34.325 | 34.284 | -0.041 |
| 58 | 2 | 33.652 | 33.438 | -0.214 |
| 59 | XBT | - | 33.835 | - |
| 60 | 2 | 35.089 | 34.304 | -0.785 |
| 62 | 3 | 35.138 | 35.167 | 0.029 |
| 64 | 1 | 35.098 | 35.104 | 0.006 |
| 65 | 1 | 35.002 | 35.019 | 0.017 |
| 66 | 2 | 34.759 | 35.183 | -0.424 |
| 67 | 2 | 35.052 | 35.072 | 0.020 |
| 68 | 3 | 34.757 | 34.797 | 0.040 |
| 70 | 1 | 34.988 | 34.995 | 0.007 |
| 74 | 2 | 34.718 | 34.816 | 0.098 |
| 78 | 1 | 35.034 | 35.045 | 0.010 |
| 79 | XBT | - | 35.243 | - |
| 80 | 2 | 35.307 | 35.332 | 0.025 |
| 86 | 2 | 35.061 | 35.099 | 0.035 |
| 87 | XBT | - | 35.063 | - |
| 88 | 2 | 34.881 | 35.036* | 0.154 |
| 89 | 2 | 34.238 | 34.108 | -0.130 |

*Average of two samples

Table 3. Salinity and oxygen calibration data for R/V OCEANUS Cruise 122, July 6-15, 1982.

| | | Salinity | | | | Oxygen | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Stat.* | Bottle Sample depth (dbar) | Bottle (o/oo) | CTD (psu) | Diff. | $\Delta S^+$ | Bottle (ml/L) | ±S.D. | CTD (ml/L) | Diff. (ml/L) | $\Delta O_2^+$ |
| 6 | 76 | 34.466 | 34.467 | -0.001 | 0.011 | 5.47 | ±0.12 | 5.18 | 0.29 | 0.04 |
| 9 | 133 | 35.387 | 35.363 | 0.024 | 0.008 | 4.11 | | 4.44 | -0.33 | 0.02 |
| 24 | 154 | 35.524 | 35.507 | 0.017 | 0.002 | 4.35 | | 4.34 | 0.01 | 0.02 |
| 27 | 120 | 35.422 | 35.401 | 0.021 | 0.033 | 4.18 | | 4.54 | -0.34 | 0.04 |
| 29 | 161 | 35.461 | 35.481 | -0.020 | 0.002 | 4.34 | | 4.09 | 0.25 | 0.12 |
| 31 | 139 | 35.453 | 35.464 | -0.011 | 0.001 | 4.40 | ±0.01 | 4.14 | 0.26 | 0.02 |
| 33 | 118 | 35.352 | 35.357 | -0.009 | 0.011 | 4.15 | | 4.41 | -0.26 | 0.00 |
| 40 | 75 | 34.517 | 34.505 | 0.012 | 0.000 | 5.40 | | 5.38 | 0.02 | 0.03 |
| 43 | 146 | 35.482 | 35.459 | 0.023 | 0.017 | 4.10 | | 4.11 | -0.01 | 0.09 |
| 45 | 189 | 35.480 | 35.451 | 0.029 | 0.005 | 4.10 | | 4.05 | 0.05 | 0.06 |
| 49 | 740 | 34.987 | 34.953 | 0.034 | 0.000 | 5.72 | | 5.70 | 0.02 | 0.02 |
| 52 | 188 | 35.499 | 35.472 | 0.027 | 0.033 | 3.78 | | 3.89 | -0.11 | 0.03 |
| 55 | 112 | 35.417 | 35.39 | 0.019 | 0.004 | 4.45 | ±0.02 | 4.50 | -0.05 | 0.07 |
| 56 | 85 | 34.772 | 34.811 | -0.039 | 0.058 | 4.96 | | 5.02 | -0.06 | 0.20 |
| 58 | 78 | 34.282 | 34.268 | 0.014 | 0.002 | 5.34 | | 5.42 | -0.08 | 0.00 |
| 60 | 97 | 35.183 | 35.170 | 0.013 | 0.071 | 4.61 | | 4.70 | -0.09 | 0.05 |
| 62 | 119 | 35.337 | 35.319 | 0.018 | 0.008 | 4.37 | | 4.49 | -0.12 | 0.06 |
| 64 | 197 | 35.410 | 35.438 | -0.028 | 0.009 | 4.07 | | 4.22 | -0.15 | 0.01 |
| 65 | 148 | 35.470 | 35.468 | 0.002 | 0.008 | 3.95 | | 4.04 | -0.09 | 0.08 |
| 67 | 104 | 35.059 | 35.088 | -0.029 | 0.037 | 4.69 | | 4.79 | -0.10 | 0.04 |
| 70 | 134 | 35.434 | 35.427 | 0.007 | 0.006 | 4.07 | | 4.25 | -0.18 | 0.08 |
| 78 | 140 | 35.516 | 35.483 | 0.033 | 0.001 | 3.89 | | 3.98 | -0.09 | 0.17 |
| mean | | | | 0.007 | 0.015 | | | | -0.05 | 0.06 |
| ±SD | | | | 0.021 | | | | | ±0.17 | |

+ Change in salinity ($\Delta S$) or oxygen ($\Delta O_2$) between 2 dbar above and below the sampling depth

* Station where | bottle salinity - CTD salinity | <0.04

Table 4. Nutrient* data for R/V OCEANUS Cruise 122, July 6-15, 1982.

| Station | Sample depth (dbar) | $PO_4$ (μg at/l) | $SiO_4$ (μg at/l) | $NO_3$[b] (μg at/l) | $NO_2$ (μg at/l) | $NH_3$ (μg at/l) |
|---|---|---|---|---|---|---|
| 2 | 0 | 0.19 | 0.57 | 0.12 | 0.04[a] | 0.18 |
| 3 | 0 | 0.08 | 0.43 | 0.12 | 0.00 | 0.17 |
| 6 | 0 | 0.40 | 1.08 | 0.31 | 0.01 | 9.73 |
|  | 76 | 0.38 | 4.37 | 3.08 | 0.23 | 0.73 |
| 7 | 0 | 0.24 | 0.48 | 0.28 | 0.00 | 0.53 |
| 8 | 0 | 0.13 | 0.47 | 0.06 | 0.03 | 0.30 |
| 9 | 0 | 0.13 | 0.72 | 0.18 | 0.09[a] | 0.31 |
|  | 133 | 0.49 | 4.61 | 8.42[a] | 0.00 | 0.11 |
| 10 | 0 | 0.07 | 1.17 | 0.17 | 0.02 | 1.09 |
| 12 | 0 | 0.06 | 1.10 | 0.10 | 0.03 | 0.73 |
| 14 | 0 | 0.08 | 1.09 | 0.14 | 0.03 | 0.30 |
| 16 | 0 | 0.08 | 1.11 | 0.13 | 0.03 | 1.09 |
| 17 | 0 | 0.08 | 1.14 | 0.16 | 0.02 | 0.44 |
| 18 | 0 | 0.06 | 1.00 | 0.11 | 0.01 | 0.14 |
|  | 133 | 0.49 | 4.28 | 8.31 | 0.00 | 0.27 |
| 19 | 0 | 0.05 | 1.12 | 0.11 | 0.00 | 0.14 |
| 21 | 0 | 0.05 | 1.17 | 0.11 | 0.00 | 3.14 |
| 22 | 0 | 0.06 | 1.36 | 0.13 | 0.00 | 0.24 |
| 23 | 0 | 0.05 | 1.19 | 0.10 | 0.00 | 0.30 |
| 24 | 0 | 0.02 | 0.95 | 0.10 | 0.00 | 0.53 |
|  | 154 | 0.67 | 5.91 | 12.88 | 0.00 | 3.08 |
| 25 | 0 | 0.03 | 1.20 | 0.14 | 0.00 | 0.34 |
| 26 | 0 | 0.05 | 0.93 | 0.16 | 0.00 | 0.73 |
| 27 | 0 | 0.03 | 0.92 | 0.12 | 0.00 | 0.62 |
|  | 120 | 0.63 | 5.63 | 11.43 | 0.00 | 1.02 |
| 28 | 0 | 0.01 | 5.61 | 0.11 | 0.00 | 0.86 |
| 29 | 0 | 0.01 | 0.80 | 0.14 | 0.00 | 1.42 |
|  | 162 | 0.74 | 7.21 | 14.27 | 0.00 | 0.42 |
| 30 | 0 | 0.06 | 0.89 | 0.28 | 0.00 | 2.31 |
| 32 | 0 | 0.02 | 1.21 | 0.10 | 0.00 | 4.57 |
| 33 | 0 | 0.04 | 0.54 | 0.08 | 0.00 | - |
|  | 118 | 0.62 | 5.83 | 10.12 | 0.02 | 1.69 |
| 34 | 0 | 0.04 | 0.73 | 0.11 | 0.00 | 5.61 |
| 36 | 0 | 0.04 | 0.85 | 0.12 | 0.00 | 0.71 |
| 38 | 0 | 0.04 | 0.71 | 0.15 | 0.01 | 0.15 |
|  | 97 | 0.61 | 6.83 | 9.53 | 0.07 | 1.81 |
| 40 | 0 | 0.03 | 0.70 | 0.10 | 0.00 | 4.94 |
|  | 75 | 0.45 | 5.05 | 5.67 | 0.60 | 0.33 |

Table 4. continued. Nutrient* data for R/V OCEANUS Cruise 122, July 6-15, 1982.

| Station | Sample depth (dbar) | $PO_4$ (µg at/l) | $SiO_4$ (µg at/l) | $NO_3$[b] (µg at/l) | $NO_2$ (µg at/l) | $NH_3$ (µg at/l) |
|---|---|---|---|---|---|---|
| 41 | 0 | 0.04 | 0.79 | 0.21 | 0.00 | 1.03 |
| 42 | 0 | 0.04 | 0.95 | 0.14 | 0.00 | 0.57 |
| 43 | 0 | 0.02 | 0.81 | 0.09 | 0.00 | 0.84 |
|  | 146 | 0.77 | 8.22 | 16.44 | 0.03 | 2.47 |
| 45 | 0 | 0.02 | 1.13 | 0.11 | 0.00 | 3.11 |
|  | 189 | 0.70 | 6.05 | 12.31 | 0.06 | 2.65 |
| 47 | 0 | 0.01 | 1.12 | 0.13 | 0.00 | 0.32 |
| 49[d] | 0 | 0.06 | 0.61 | 0.17 | 0.00 | 3.80 |
|  | 715[c] | 1.04 | 11.63 | 18.66 | 0.00 | 1.02 |
| 50[d] | 0 | 0.60 | 0.77 | 0.16 | 0.00 | 3.01 |
| 51 | 0 | 0.12 | 0.76 | 0.13 | 0.00 | 1.53 |
| 52 | 0 | 0.76 | 1.08 | 0.21 | 0.00 | - |
|  | 188 | 0.76 | 6.86 | 14.03 | 0.00 | 0.16 |
| 54 | 0 | 0.16 | 0.68 | 0.14 | 0.00 | 8.33 |
| 55 | 0 | 0.06 | 0.40 | 0.11 | 0.00 | 1.70 |
|  | 112 | 0.49 | 4.39 | 7.72 | 0.01 | 3.13 |
| 56 | 0 | 0.06 | 0.49 | 0.15 | 0.00 | 7.06 |
| 57 | 0 | 0.07 | 0.62 | 0.13 | 0.00 | 1.08 |
| 58 | 0 | 0.08 | 0.44 | 0.14 | 0.00 | 0.97 |
|  | 79 | 0.46 | 5.05 | 2.68* | 0.56 | 0.18 |
| 60 | 0 | 0.04 | 0.30 | 0.10 | 0.00 | 0.04 |
|  | 97 | 0.65 | 6.37 | 9.53[a] | 0.05 | 0.65 |
| 62 | 0 | 0.02 | 0.55 | 0.10 | 0.00 | 1.51 |
|  | 119 | 0.61 | 4.42 | 7.64[a] | 0.00 | 0.29 |
| 64 | 0 | 0.00 | 0.64 | 0.12 | 0.00 | 1.12 |
|  | 197 | 0.80 | 6.40 | 12.41[a] | 0.01 | 3.75 |
| 65 | 0 | 0.02 | 0.67 | 0.15 | 0.00 | 1.02 |
|  | 148 | 0.79 | 5.96 | 12.13 | 0.00 | 0.55 |
| 66 | 0 | 0.04 | 0.66 | 0.19 | 0.00 | 1.62 |
| 67 | 0 | 0.07 | 0.52 | 0.21 | 0.00 | 0.40 |
|  | 104 | 0.71 | 6.49 | 9.02[a] | 0.06 | 0.44 |
| 68 | 0 | 0.09 | 0.44 | 0.10 | 0.00 | 5.76 |
| 70 | 0 | 0.14 | 1.03 | 0.10 | 0.00 | 1.09 |
|  | 134 | 0.84 | 8.10 | 15.93 | 0.05 | 2.85 |
| 74 | 0 | 0.75 | 0.55 | 0.12 | 0.04 | 0.64 |
| 78 | 0 | 2.22 | 0.74 | 0.13 | 0.00 | 0.36 |
|  | 140 | 1.05 | 7.80 | 16.57 | 0.03 | 0.76 |

Table 4. continued. Nutrient* data for R/V OCEANUS Cruise 122, July 6-15, 1982.

| Station | Sample depth (dbar) | $PO_4$ (μg at/l) | $SiO_4$ (μg at/l) | $NO_3$[b] (μg at/l) | $NO_2$ (μg at/l) | $NH_3$ (μg at/l) |
|---|---|---|---|---|---|---|
| 80 | 0 | 3.93 | 0.67 | 0.16 | 0.00 | 1.04 |
| 86 | 0 | 0.90 | 0.59 | 0.13 | 0.00 | 0.29 |
| 87 | 0 | 0.61 | 0.48 | 0.16 | 0.00 | 0.00 |
| 88 | 0 | 0.42 | 0.44 | 0.15 | 0.13 | 1.52 |
| 89 | 0 | 0.26 | 0.43 | 0.14 | 0.00 | 0.25 |

* - All surface samples are included in this table plus the deep samples from stations
where | bottle salinity - CTD salinity | <0.04
a - average of two values.
b - analyzed as $NO_3$ + $NO_2$-N. The $NO_2$-N value has been subtracted.
c - large wire angle
d - same stations

Table 5. Suspended matter concentration for water samples obtained on R/V OCEANUS Cruise 122, July 6-15, 1982.

| Station* | Water depth (m) | Sample depth (dbar) | Suspended matter (mg/L) | Light attenuation ($m^{-1}$) |
|---|---|---|---|---|
| 6 | 78 | 76 | 0.47 | 0.25 |
| 9 | 138 | 133 | 0.19 | 0.12 |
| 24 | 175 | 154 | 0.08 | 0.10 |
| 27 | 127 | 120 | 0.22 | 0.13 |
| 33 | 125 | 118 | 0.20 | 0.14 |
| 40 | 78 | 75 | 0.33 | 0.20 |
| 49 | 800 | 740 | 0.11 | 0.28 |
| 52 | 192 | 112 | 0.07 | 0.09 |
| 56 | 93 | 85 | 0.34 | 0.19 |
| 60 | 99 | 97 | 0.29 | 0.19 |
| 62 | 130 | 119 | 0.21 | 0.16 |
| 64 | ~200 | 197 | 0.19 | 0.17 |
| 67 | 110 | 104 | 0.27 | 0.18 |
| 70 | 140 | 134 | 0.15 | 0.14 |

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*Stations where $|$ bottle salinity - CTD salinity $| < 0.04$

Table 6. Meteorological observations for R/V OCEANUS Cruise 122 obtained from ship's deck log. July 6-15, 1982.

| Date | Time Est | Wind | | Sea | | | Air | | Weather |
|---|---|---|---|---|---|---|---|---|---|
| | | Dir | Force | Dir | Swell | Height | Pressure (mb) | Temp (°c) | |
| July 6 | 1100 | — | -- | SW | 1 | 2 | 1030 | 20.6 | bc |
| | 1500 | SSW | 4 | SW | 1 | 2 | 1030 | 18.9 | c |
| | 1900 | W | 3-4 | W | 1 | 2 | 1030 | 18.3 | bc |
| | 2300 | S | 2 | — | — | 2 | 1029 | 13.9 | b |
| July 7 | 0300 | SW | -- | — | -- | 1 | 1028 | 17.8 | bc |
| | 0700 | SW | 2 | SSW | 1 | 2 | 1029 | 18.3 | bcz |
| | 1100 | SWxW | 4 | SW | 1 | 2 | 1027 | 23.3 | bc |
| | 1500 | SW | 5 | SW | 1 | 2 | 1027 | 23.3 | bc |
| | 1900 | SSW | 5 | SxE | 1 | 2-3 | 1025 | 22.2 | bc |
| | 2300 | SSW | 3 | S | 1 | 3 | 1024 | 21.1 | |
| July 8 | 0300 | SSW | 5 | SW | 1 | 2 | 1023 | 21.1 | c |
| | 0700 | S | 4 | S | 1 | 2 | 1022 | 21.1 | cz |
| | 1100 | SWxW | 3 | S | 1 | 3 | 1021 | 24.4 | cz |
| | 1500 | SW | 5 | S | 1 | 3 | 1021 | 24.4 | cz |
| | 1900 | S | 4 | S | 1 | 2-3 | 1020 | 22.2 | cz |
| | 2300 | SW | 4 | SSW | 1 | 3 | 1020 | 22.2 | b |
| July 9 | 0300 | SW | 5 | SSW | 1 | 3 | 1020 | 21.7 | c |
| | 0700 | SSW | 6 | SSW | 1 | 3 | 1020 | 20.6 | cz |
| | 1100 | SSW | 3 | SSW | 1 | 3 | 1020 | 21.1 | cf |
| | 1500 | SW | 4 | SSW | 1 | 2-3 | 1019 | 20.6 | ozl |
| | 1900 | SW | 3 | SSW | 1 | 2 | 1019 | 20.0 | bcz |
| | 2300 | AIRS | -- | -- | -- | — | 1020 | 19.4 | bcz |
| July 10 | 0300 | — | 0 | — | - | - | 1020 | 19.4 | cz |
| | 0700 | SW | 2 | SE | 1 | 1 | 1020 | 18.3 | of |
| | 1100 | AIRS | — | -- | -- | 1 | 1021 | 22.8 | bz |
| | 1500 | W | 3 | S | 1 | 1 | 1021 | 24.4 | c |
| | 1900 | AIRS | — | -- | — | 1 | 1022 | 19.4 | b |
| July 11 | 0300 | NE | 3 | — | — | 1 | 1022 | 19.4 | bc |
| | 0700 | NNE | 2-3 | -- | -- | 1 | 1024 | 20.6 | bc |
| | 1100 | NE | 2 | -- | — | 2 | 1024 | 20.0 | f |
| | 1500 | E | 4 | — | — | 2 | 1023 | 18.9 | f |
| | 1900 | ENE | 3 | -- | — | 1-2 | 1023 | 21.1 | bcz |
| | 2300 | E | 2 | — | -- | 1 | 1023 | 21.1 | bcz |
| July 12 | 0300 | ESE | 3 | — | — | 1 | 1022 | 23.3 | bz |
| | 0700 | SxW | 3 | -- | -- | 1 | 1023 | 21.1 | bz |
| | 1100 | AIRS | -- | -- | — | 1 | 1021 | — | c |
| | 1500 | S | 4 | SSW | 1 | 2 | 1021 | -- | bcf |
| | 1900 | SSW | 4 | SSW | 1 | 2 | 1021 | — | bcf |
| | 2300 | SW | 4 | SSW | 1 | 2 | 1022 | 23.9 | oz |

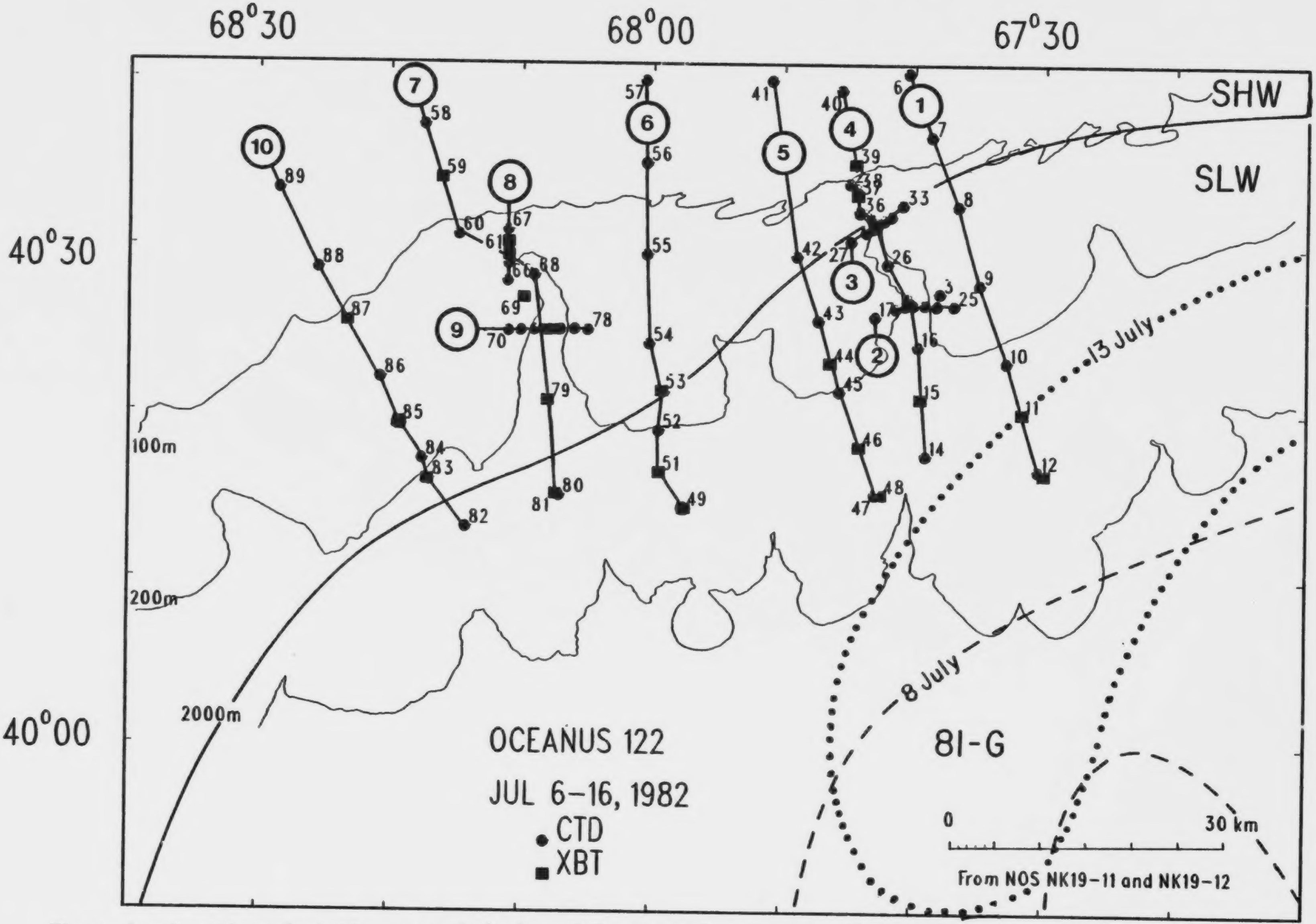
Table 6. Meteorological observations for R/V OCEANUS Cruise 122 obtained from ship's deck log. July 6-15, 1982 - Continued

| Date | Time | Wind | | Sea | | | Air | | Weather |
|---|---|---|---|---|---|---|---|---|---|
| | Est | Dir | Force | Dir | Swell | Height | Pressure (mb) | Temp (°c) | |
| July 13 | 0300 | WSW | 4 | SW | 1 | 2 | 1021 | 22.2 | fl |
| | 0700 | SW | 3 | SW | 1 | 2 | 1022 | 22.8 | f |
| | 1100 | SW | 3-4 | SW | 1 | 3 | 1022 | 22.8 | oz |
| | 1500 | SW | 4 | SW | 1 | 3 | 1023 | -- | oz |
| | 1900 | AIRS | -- | SSW | 1 | 1-2 | 1023 | 22.8 | of |
| | 2300 | AIRS | -- | -- | -- | 1 | 1024 | 21.1 | of |
| July 14 | 0300 | NW | 3 | -- | -- | 1 | 1024 | 16.7 | f |
| | 0700 | NW | 3 | SSW | 1 | 2 | 1025 | 21.1 | bcz |
| | 1100 | NxE | 1-2 | -- | -- | 1 | 1026 | 23.3 | o |
| | 1500 | N | 2 | -- | -- | 1 | 1027 | 24.4 | bc |
| | 1900 | ExN | 3 | -- | -- | 2 | 1027 | 20.0 | bc |
| | 2300 | AIRS | -- | -- | -- | 2 | 1027 | | 20.0bc |
| July 15 | 0300 | -- | 0 | SW | 1 | 0-1 | 1026 | 18.3 | b |

Table 7. Key to meteorological observations.

| Swell | | Sea height | |
|---|---|---|---|
| 0 | No swell | 0 | Calm |
| 1 | Low, short or average | 1 | Smooth, less than 1' |
| 2 | Low, long | 2 | Slight 1-3' |
| 3 | Moderate, short | 3 | Moderate 3-5' |
| 4 | Moderate, average | 4 | Rough 5-8' |
| 5 | Moderate, long | 5 | Very rough 8-12' |
| 6 | Heavy, short | 6 | High 12-20' |
| 7 | Heavy, average | 7 | Very high 20-40' |
| 8 | Heavy, long | 8 | Mountainous 40' and higher |
| 9 | Confused | 9 | Confused |

| Weather | | Wind | knots | mph |
|---|---|---|---|---|
| bc | scattered clouds | 1 | 1-3 | 1-3 |
| d | drizzle | 2 | 4-6 | 4-7 |
| f | fog | 3 | 7-10 | 8-12 |
| h | hail | 4 | 11-16 | 13-18 |
| l | lightening | 5 | 17-21 | 19-24 |
| o | overcast | 6 | 22-27 | 25-31 |
| c | mostly cloudy | 7 | 28-33 | 32-38 |
| p | passing rain showers | 8 | 34-40 | 39-46 |
| q | squalis | 9 | 41-47 | 47-54 |
| r | rain | 10 | 48-55 | 55-63 |
| s | snow | 11 | 36-63 | 64-72 |
| t | thunder | 12 | 64-71 | 73-82 |
| z | haze | | | |


68°30
68°00
67°30
40°30
40°00
SHW
SLW
100m
200m
2000m
13 July
8 July
81-G
OCEANUS 122
JUL 6-16, 1982
CTD
XBT
0
30 km
From NOS NK19-11 and NK19-12
1
2
3
4
5
6
7
8
9
10
6
7
8
9
10
11
12
14
15
16
17
3
25
26
27
33
36
37
38
39
40
41
42
43
44
45
46
47
48
49
51
52
53
54
55
56
57
58
59
60
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67
68
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83
84
85
86
87
88
89

Figure 1. Location of stations near Lydonia and Oceanographer Canyon. The circled numbers identify the sections shown in figures 4-13. The position of a warm core eddy 81-G is based on the Oceanographic Analysis chart for July 8 (dashed line) and July 13 (dotted line). The area of slope water is based on the chart for 13 July 1982 as modified by the Atlantic Environmental Group, National Marine Fisheries Service, Narragansett, R.I.

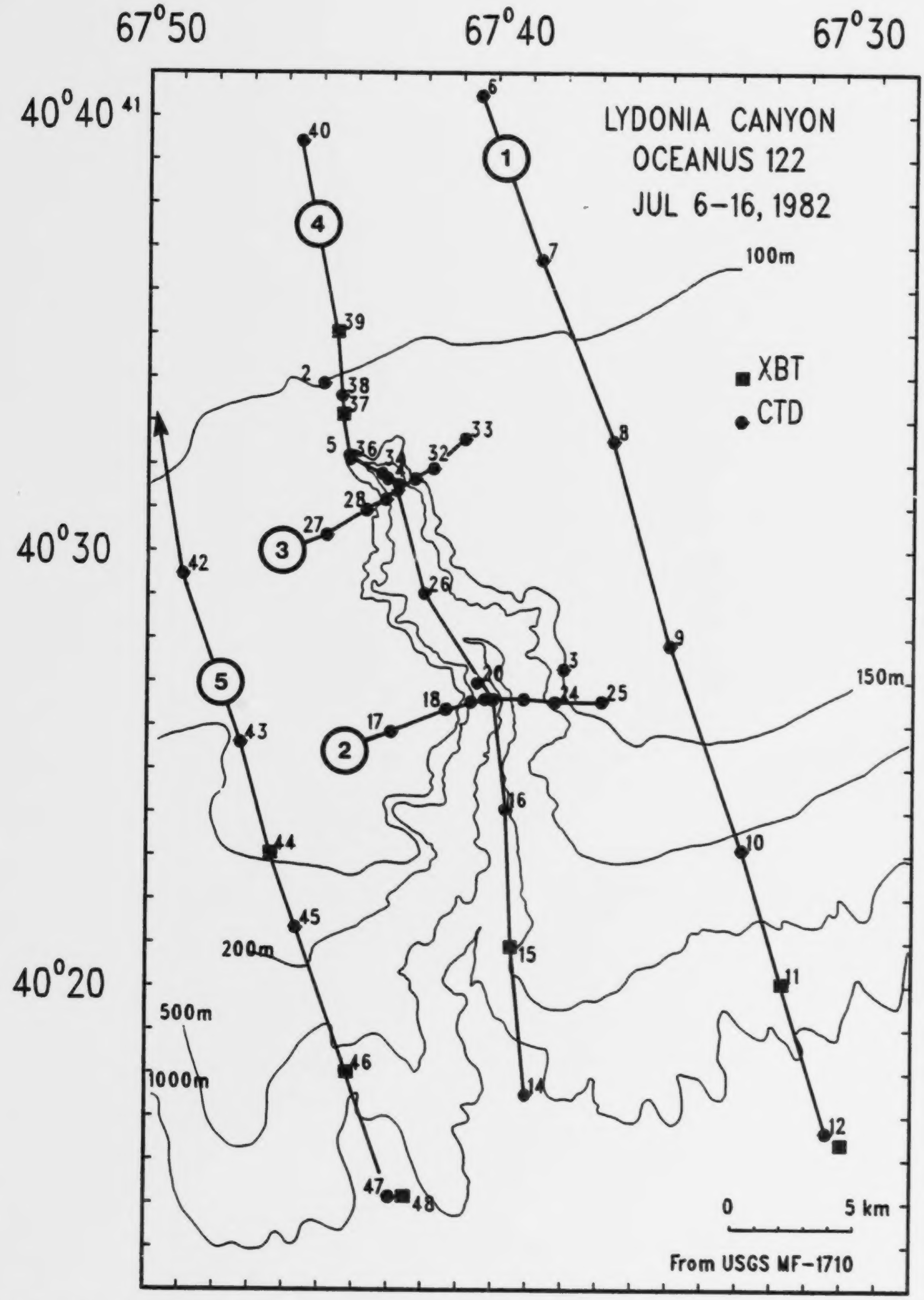

67°50
67°40
67°30
40°40
41
40°30
40°20
LYDONIA CANYON
OCEANUS 122
JUL 6-16, 1982
XBT
CTD
100m
150m
200m
500m
1000m
0
5 km
From USGS MF-1710
①
②
③
④
⑤
2
3
5
6
7
8
9
10
11
12
14
15
16
17
18
20
24
25
26
27
28
32
33
36
37
38
39
40
42
43
44
45
46
47
48

Figure 2. Location of stations around Lydonia Canyon occupied on R/V OCEANUS Cruise 122, 6-15 July 1982. The circled numbers identify the sections shown in figures 4-13.

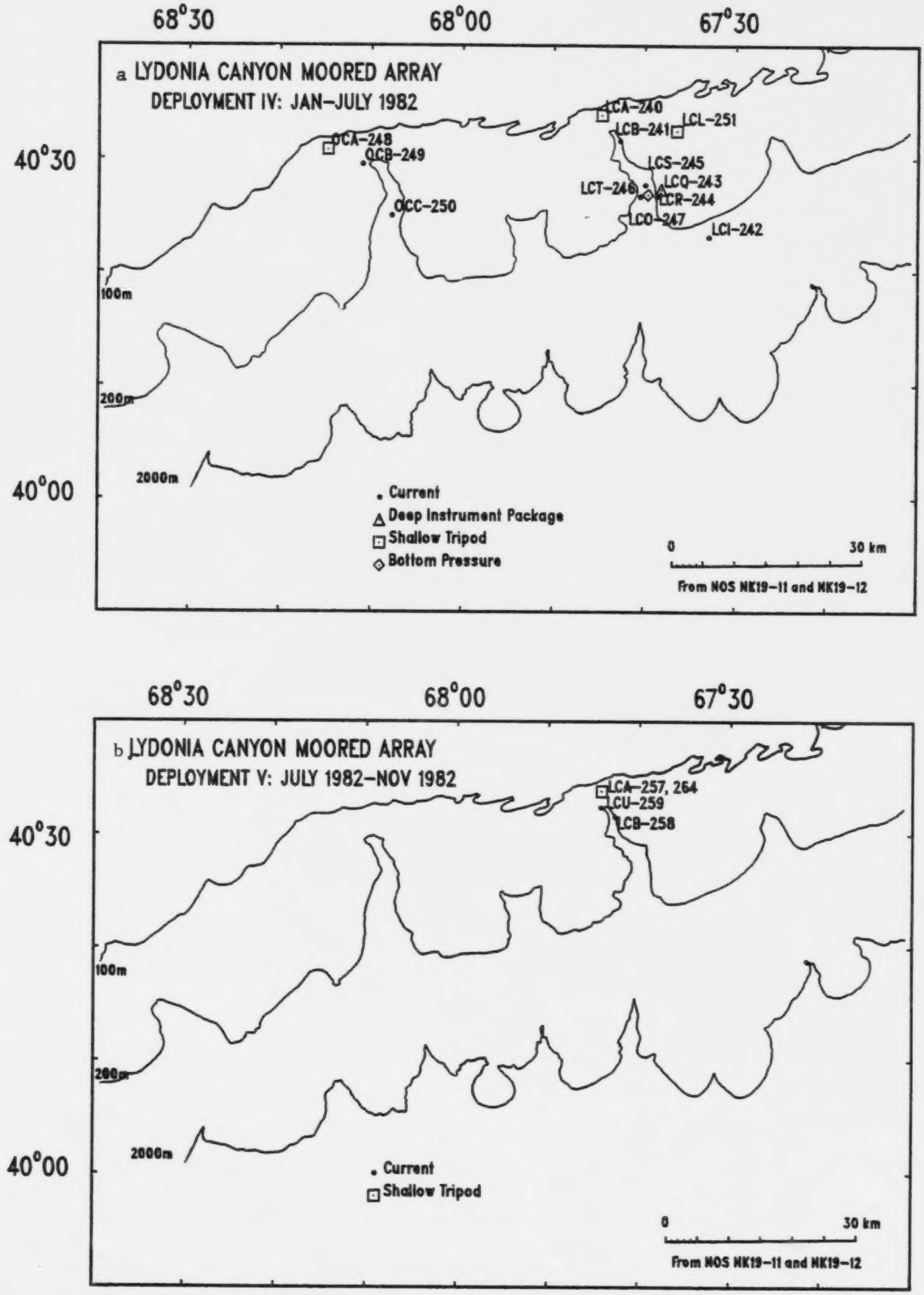
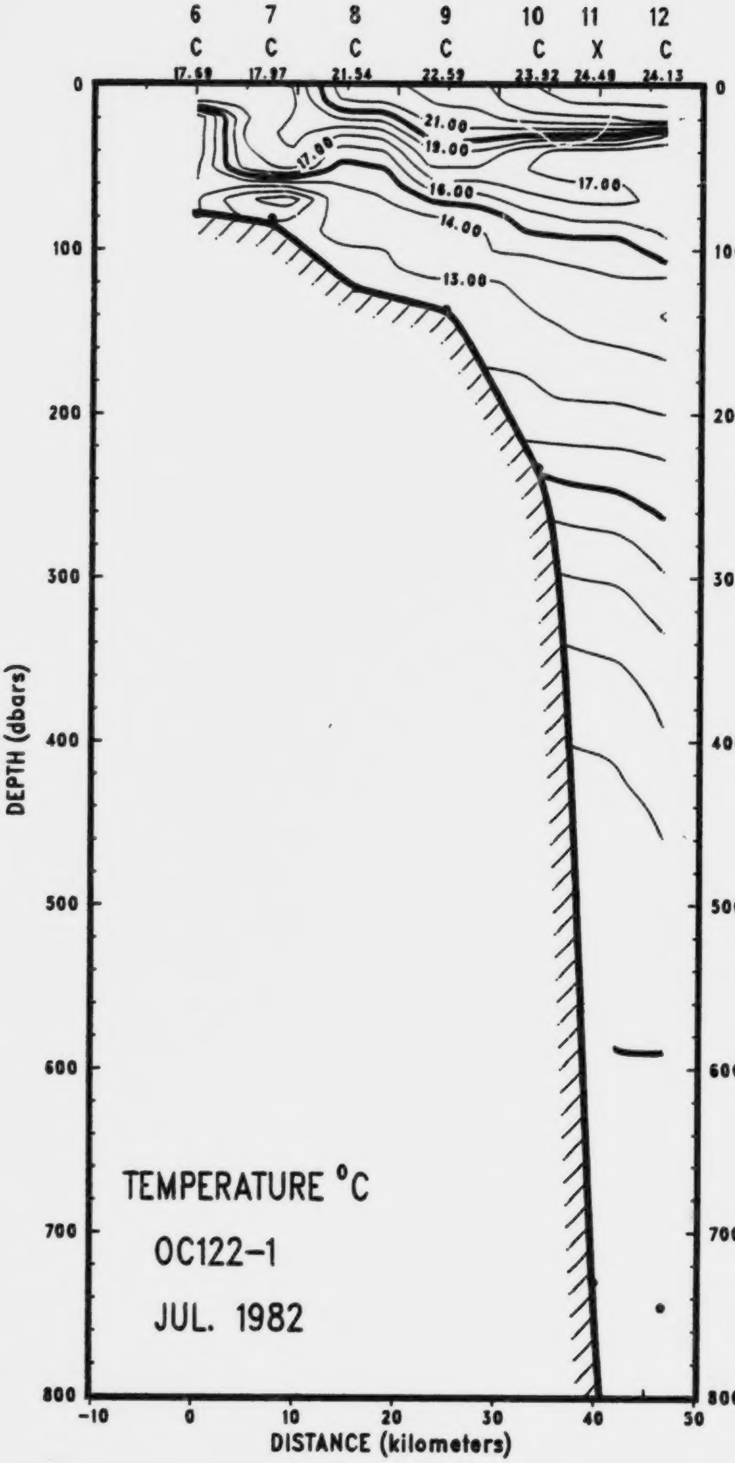
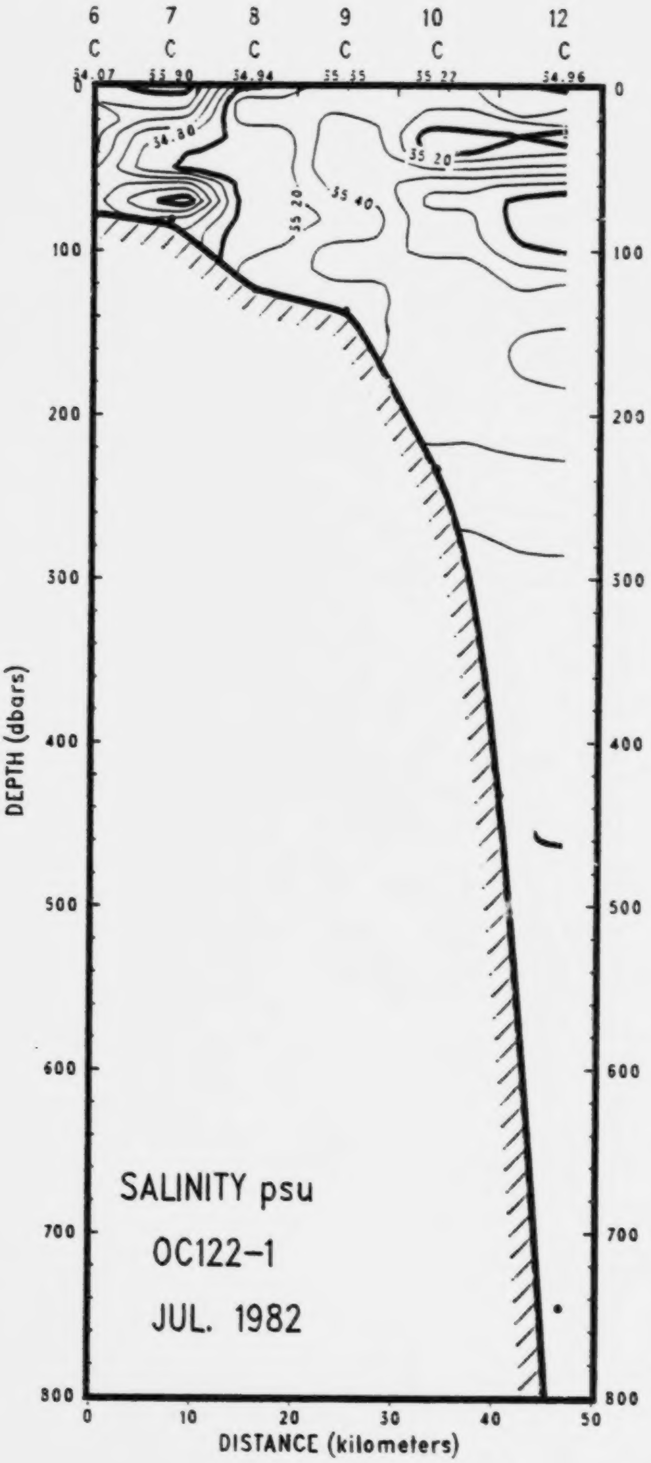

68°30
68°00
67°30
a LYDONIA CANYON MOORED ARRAY
DEPLOYMENT IV: JAN–JULY 1982
40°30
40°00
LCA-240
LCB-241
LCL-251
OCA-248
OCB-249
OCC-250
LCS-245
LCT-246
LCQ-243
LCR-244
LCO-247
LCI-242
100m
200m
2000m
Current
Deep Instrument Package
Shallow Tripod
Bottom Pressure
0
30 km
From NOS NK19-11 and NK19-12
b LYDONIA CANYON MOORED ARRAY
DEPLOYMENT V: JULY 1982–NOV 1982
LCA-257, 264
LCU-259
LCB-258
Current
Shallow Tripod

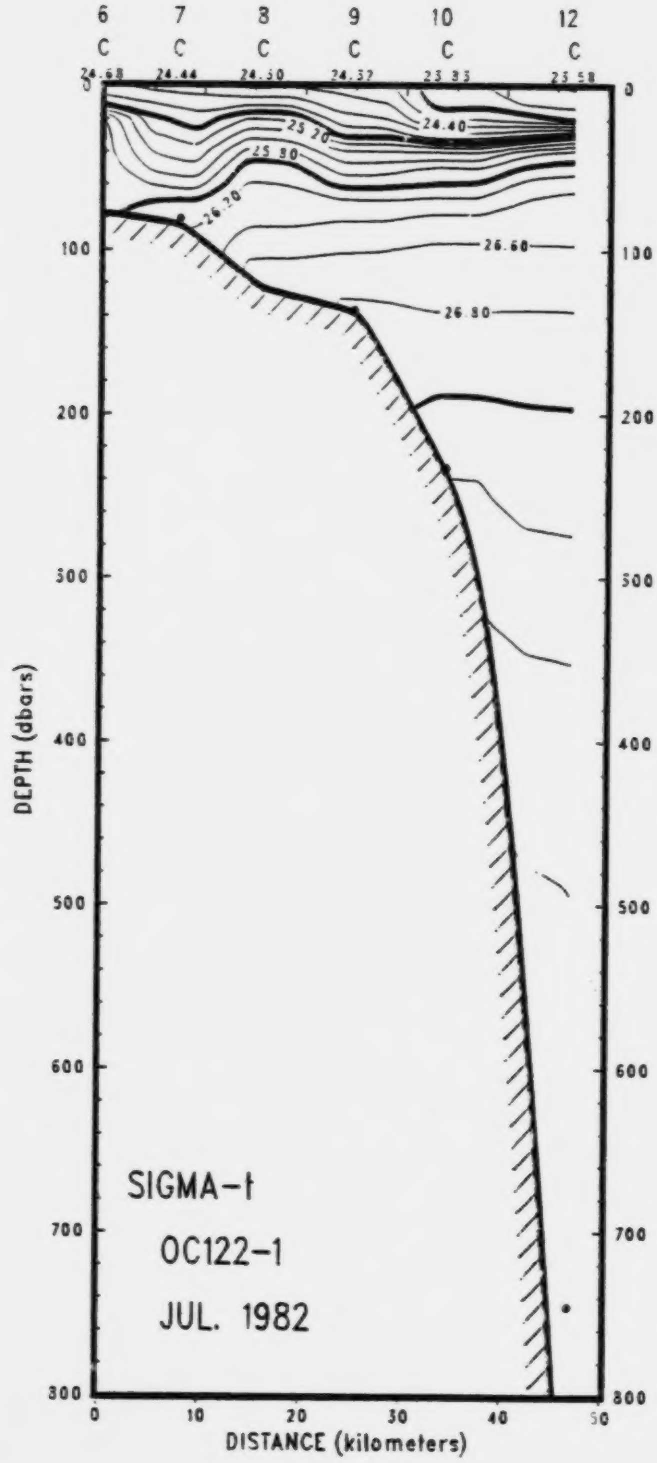
Figure 3a. Lydonia Canyon moored array, deployment IV. Stations are identified by letters. The three digit number following the station letters is the mooring number.
3b. Lydonia Canyon moored array, deployment V.

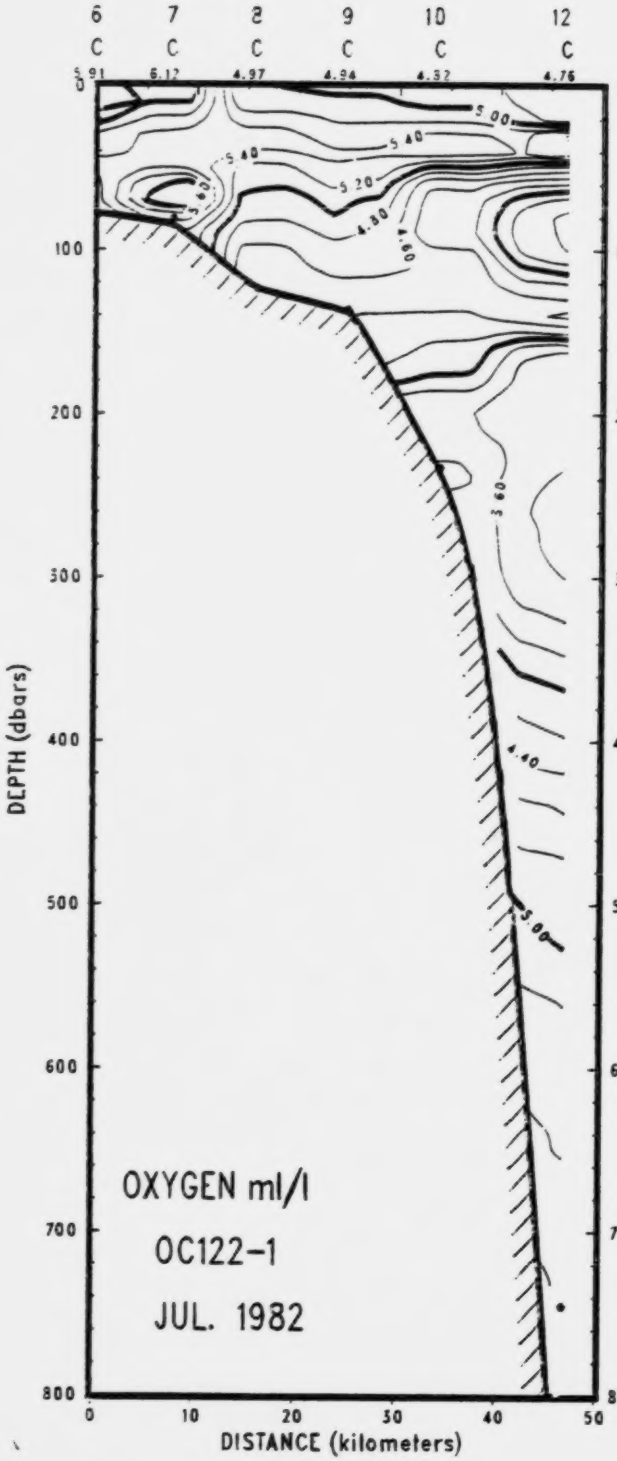
## Vertical sections

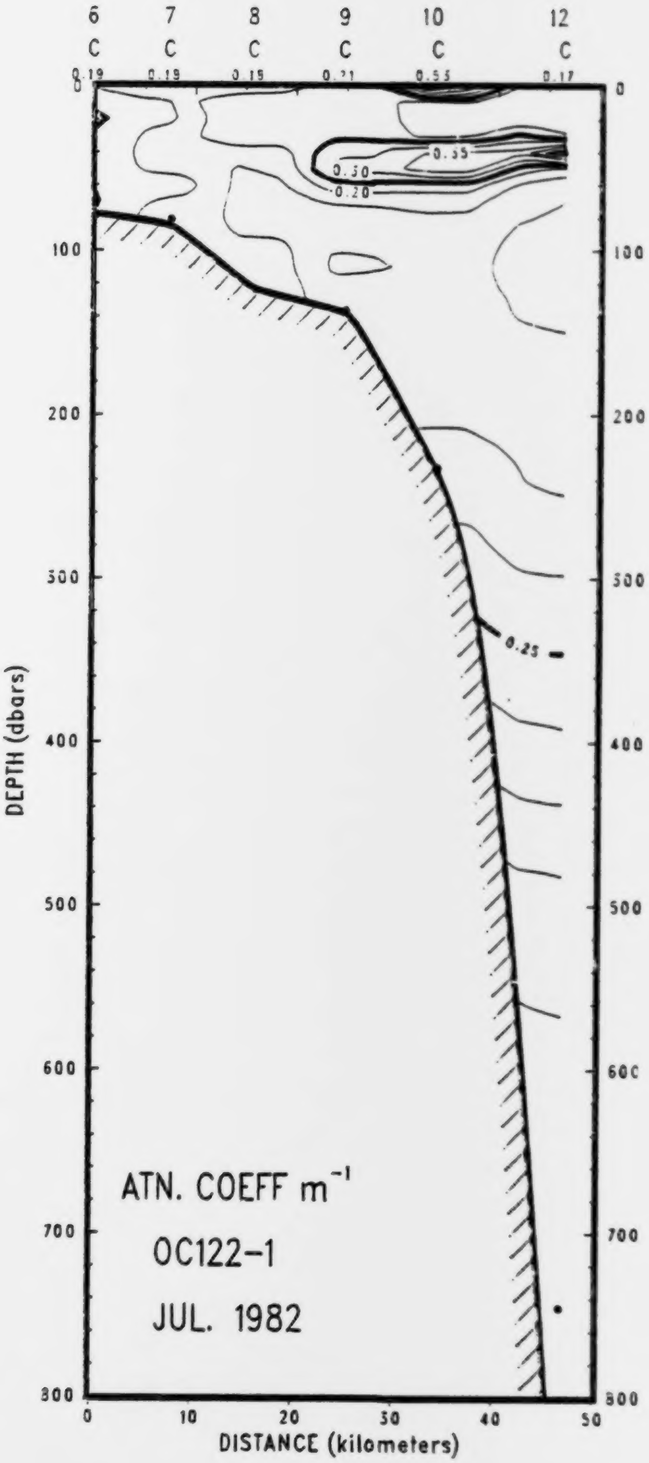
The section numbers follow the hyphen after the cruise symbol OC122 (see fig. 1, 2 and table 1). The station numbers are shown across the top of each section with the station type (C = CTD or X = XBT) and surface value of the contoured variable printed below. The contour intervals are the same for each section (1°C for temperature, 0.2 psu for salinity, 0.2 for sigma-t, 0.2 for oxygen, and 0.05 $m^{-1}$ for attenuation coefficient). The bathymetry for most sections is defined only by the depth at each station; thus the bottom profile is slightly different for sections where there are XBT stations in addition to the CTD stations. Contours were particularly difficult to draw near the walls in the cross-canyon sections where there was often only one station in the center of the axis. Because of the computer contouring routine, the shape and slope of the contours near the sea floor should be interpreted with caution (see text). Section 1 did not have reliable oxygen values so that no section is presented. Dots indicate the deepest point in the east.

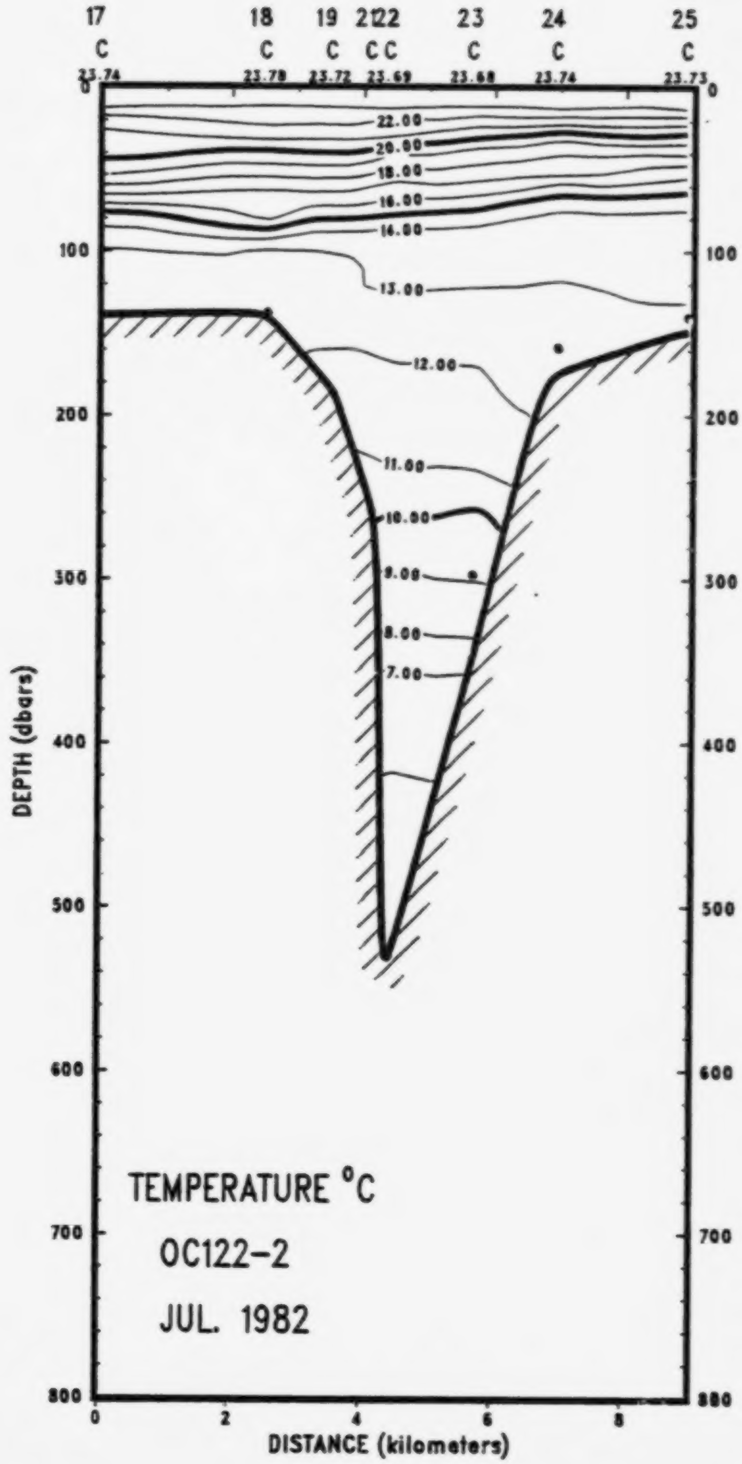

6
7
8
9
10
11
12
C
C
C
C
C
X
C
17.69
17.97
21.54
22.59
23.92
24.49
24.13
21.00
19.00
17.00
17.00
16.00
14.00
13.00
TEMPERATURE °C
OC122-1
JUL. 1982
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
-10
0
10
20
30
40
50
DISTANCE (kilometers)

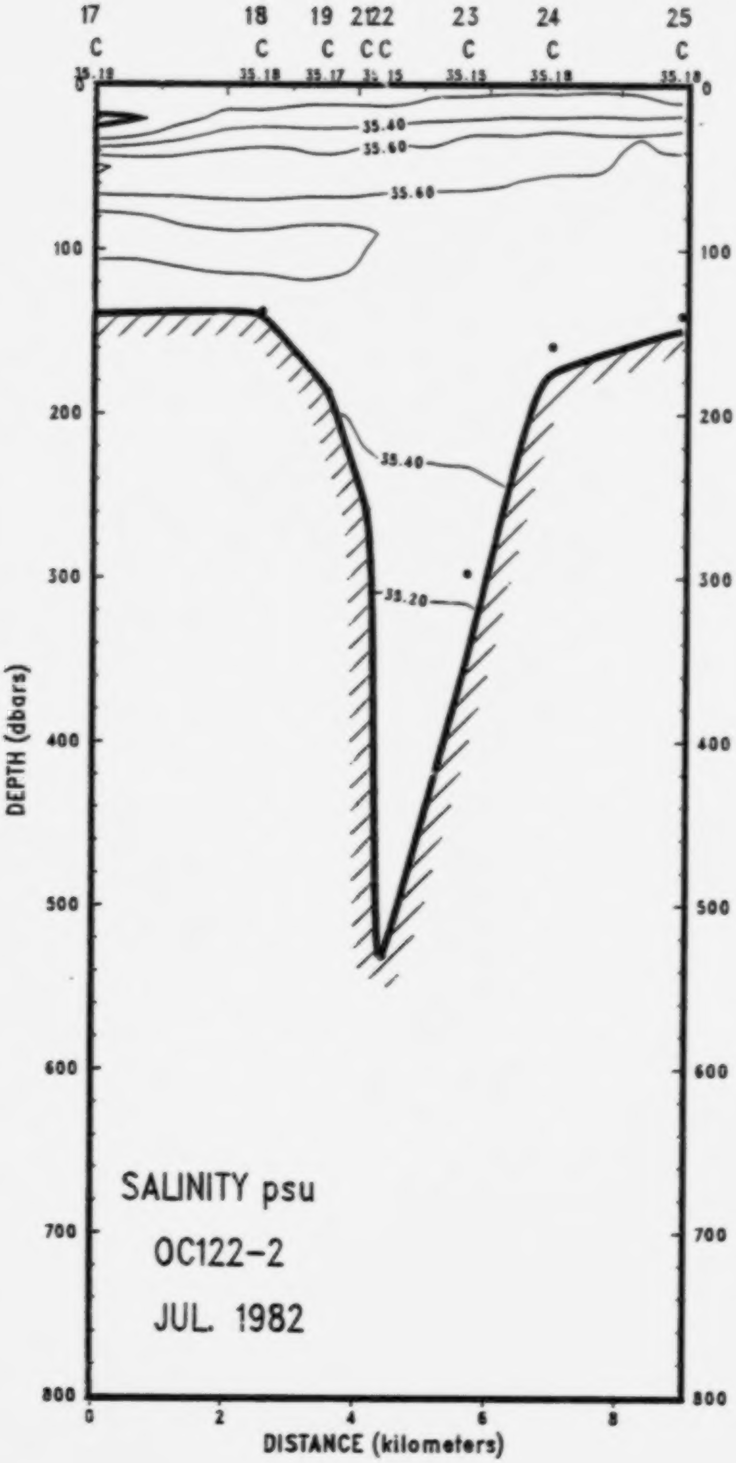

6
7
8
9
10
12
C
C
C
C
C
C
34.07
35.90
34.94
35.35
35.22
34.96
34.80
35.20
35.20
35.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
SALINITY psu
OC122-1
JUL. 1982

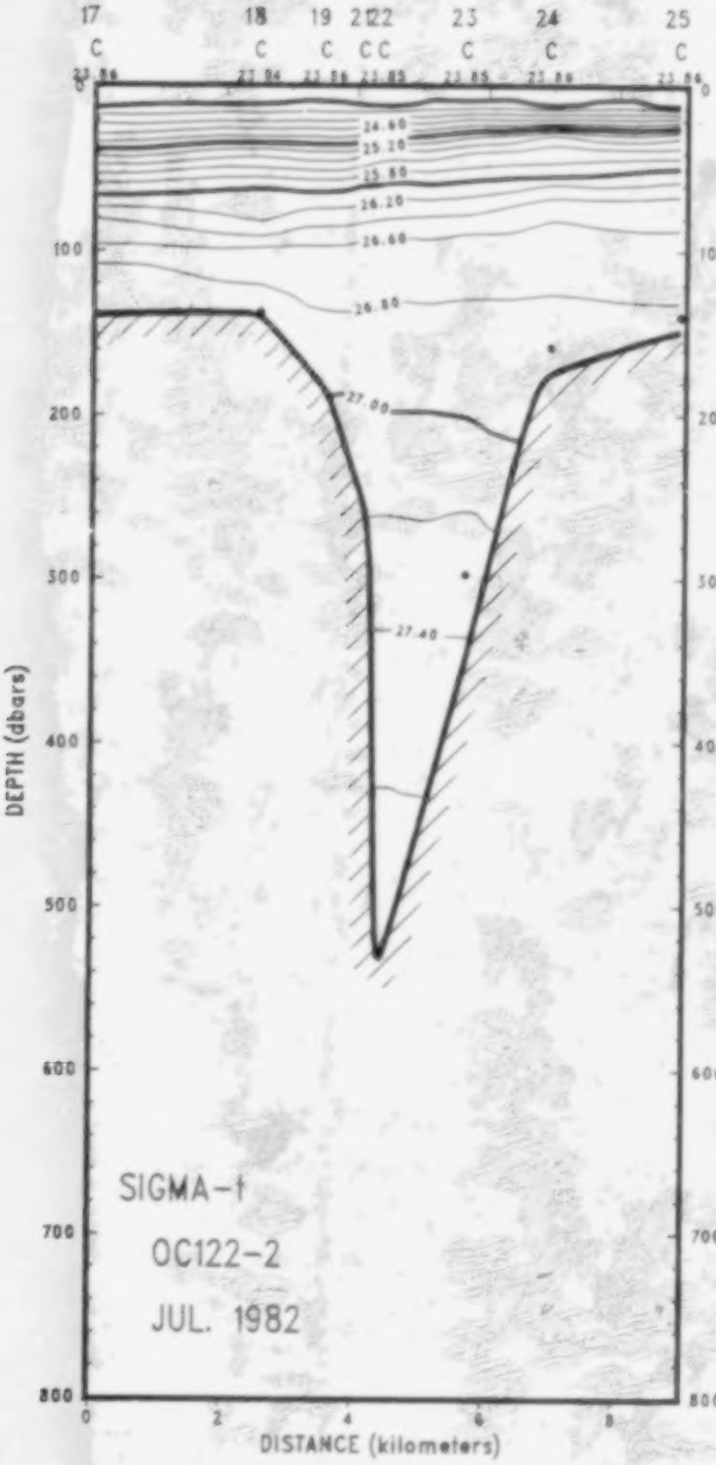

6 C
7 C
8 C
9 C
10 C
12 C
24.68
24.44
24.30
24.37
23.33
23.58
25.20
24.40
25.80
26.20
26.60
26.80
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
10
20
30
40
50
DISTANCE (kilometers)
SIGMA-t
OC122-1
JUL. 1982

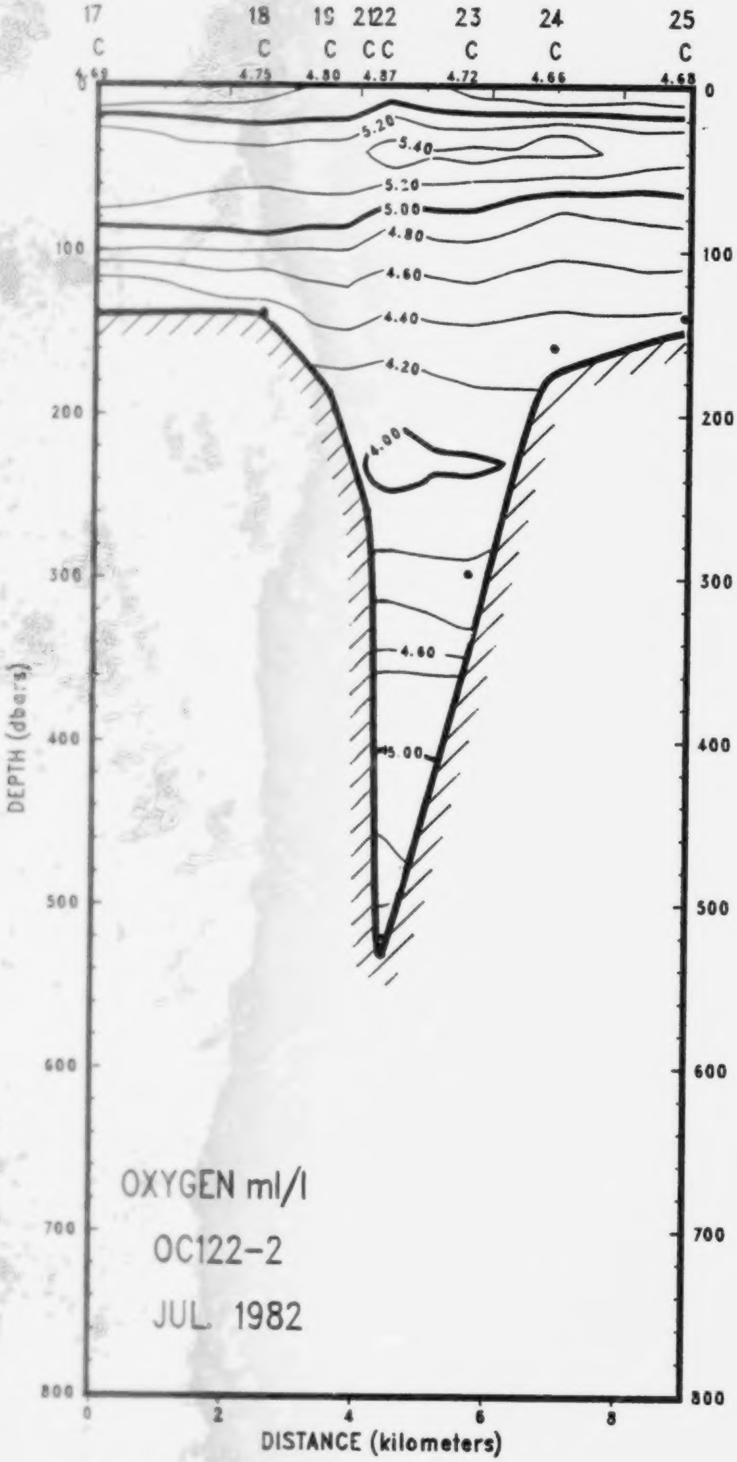

6
7
8
9
10
12
C
C
C
C
C
C
5.91
6.12
4.97
4.94
4.32
4.76
5.00
5.40
5.40
5.20
5.60
4.80
4.60
3.60
4.40
5.00
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
10
20
30
40
50
DISTANCE (kilometers)
OXYGEN ml/l
OC122-1
JUL. 1982

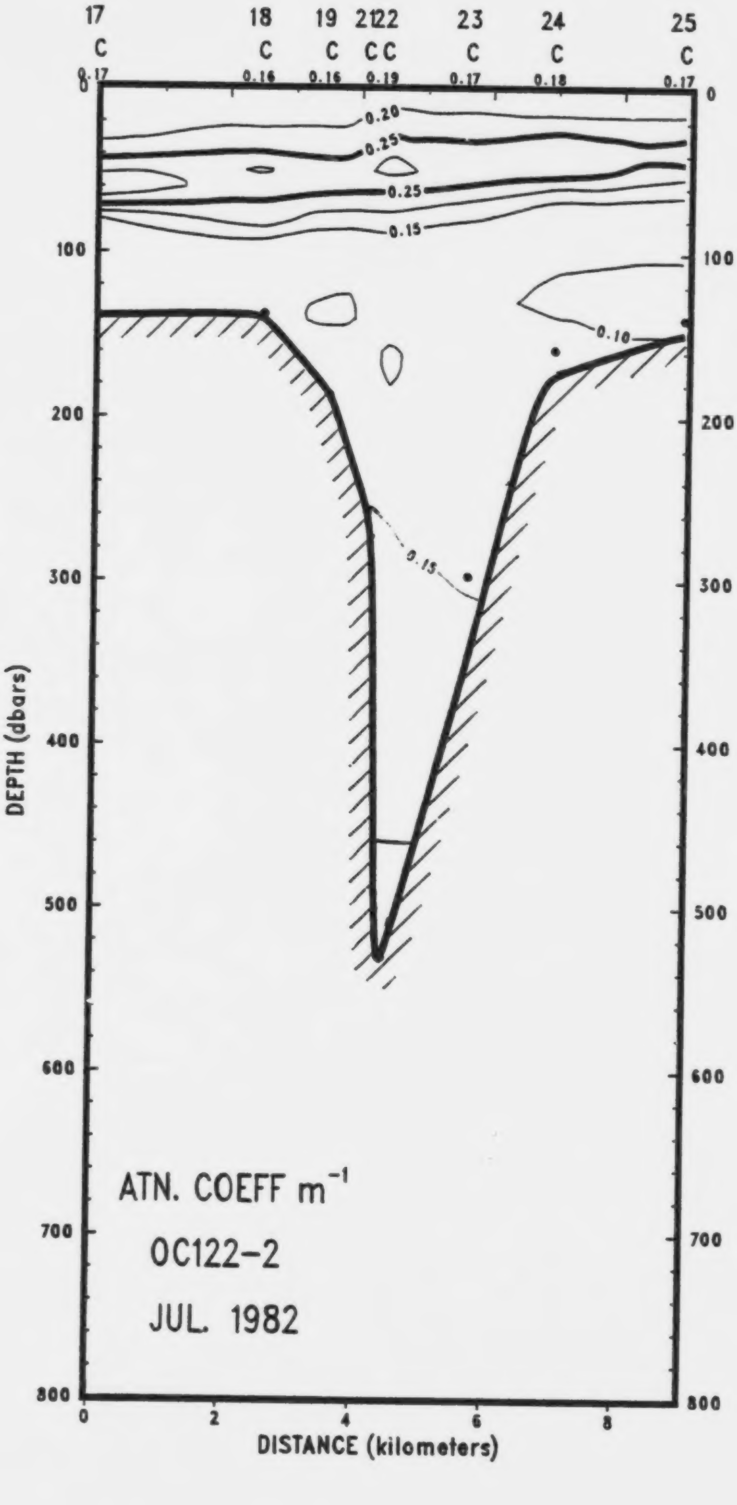

6 C 0.19
7 C 0.19
8 C 0.15
9 C 0.21
10 C 0.55
12 C 0.17
0.35
0.30
0.20
0.25
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
10
20
30
40
50
DISTANCE (kilometers)
ATN. COEFF m⁻¹
OC122-1
JUL. 1982

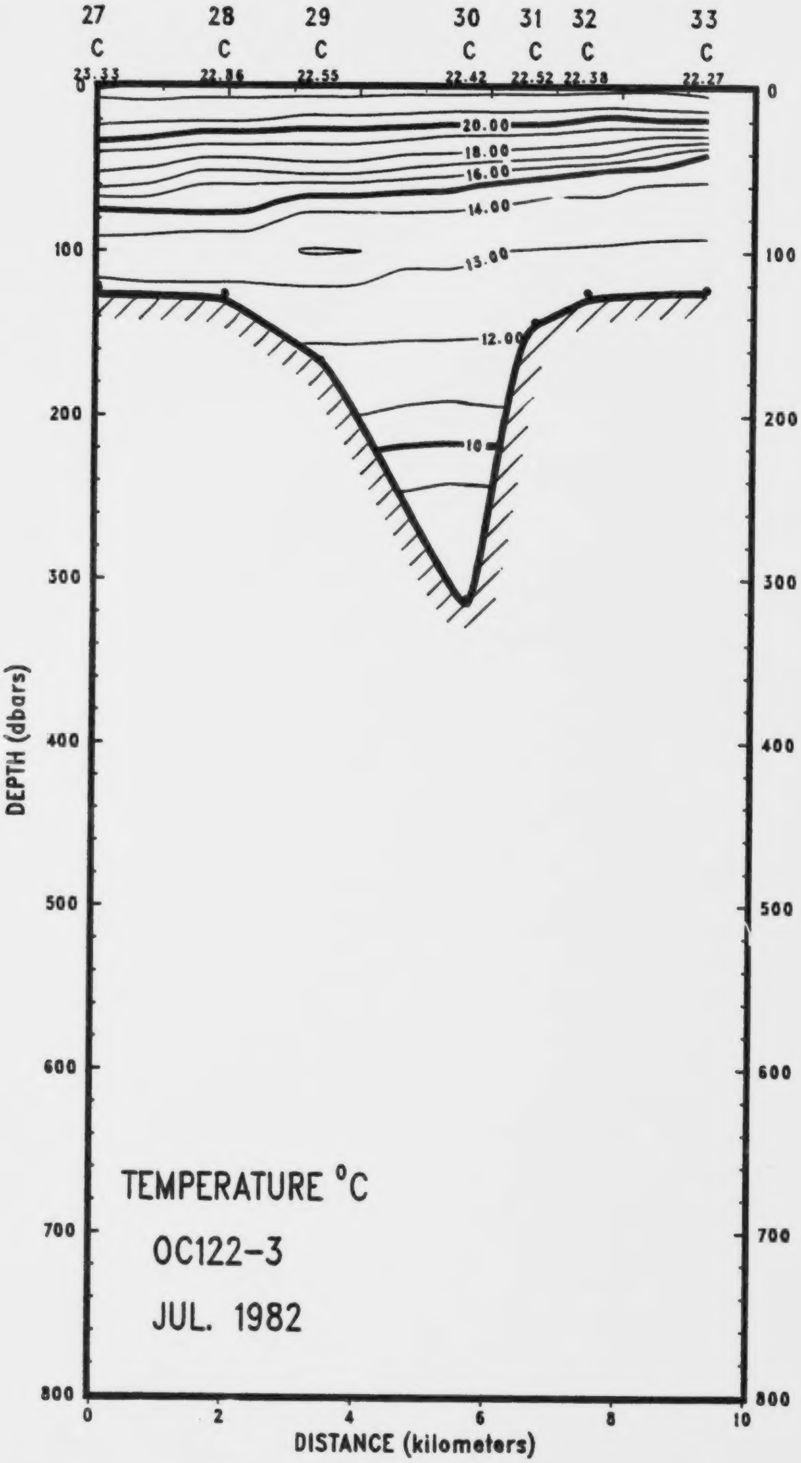

17
18
19
21 22
23
24
25
C C C C C C C C
23.74
23.78
23.72
23.69
23.68
23.74
23.73
22.00
20.00
18.00
16.00
14.00
13.00
12.00
11.00
10.00
9.00
8.00
7.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
880
DISTANCE (kilometers)
0
2
4
6
8
TEMPERATURE °C
OC122-2
JUL. 1982

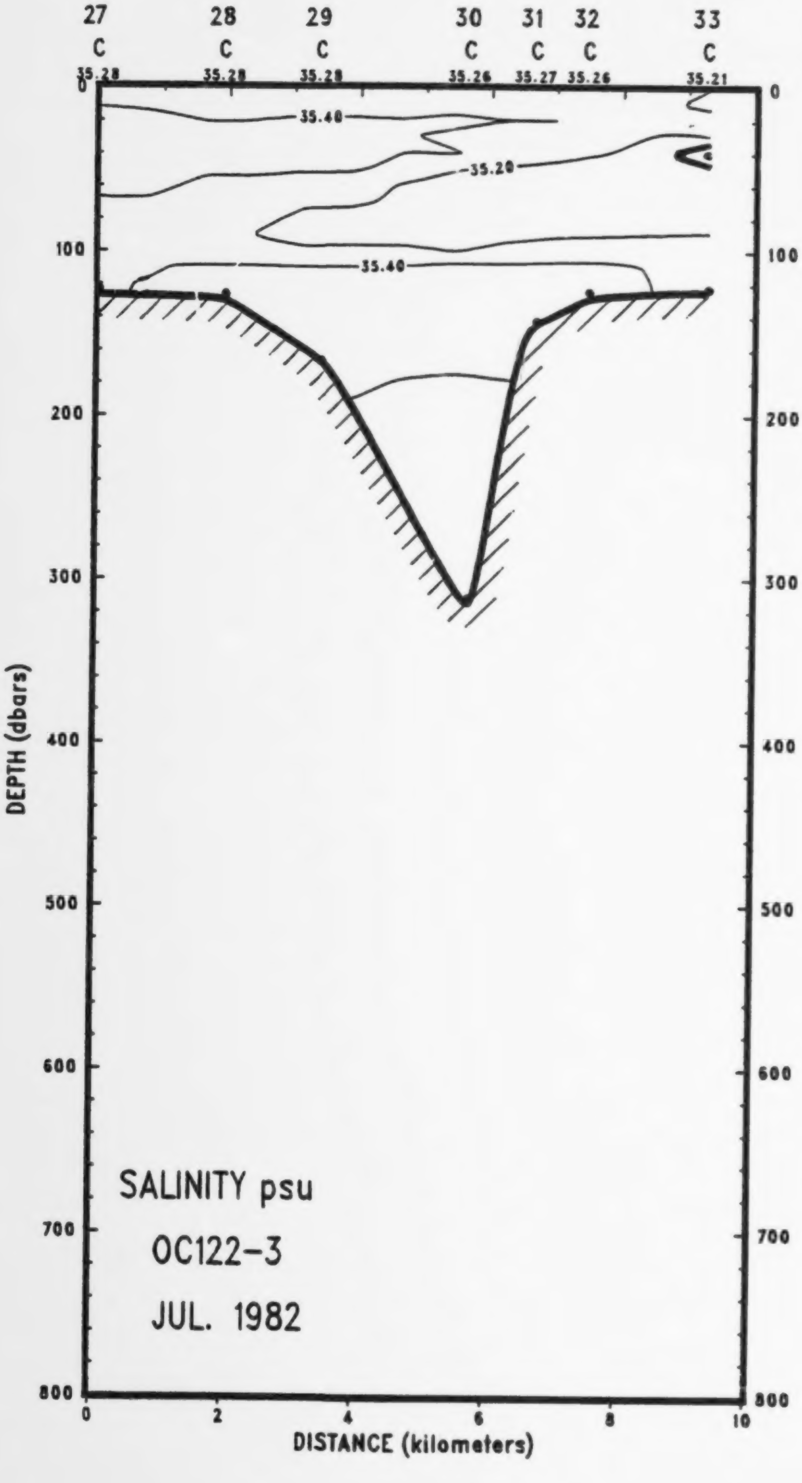

17
18
19
2122
23
24
25
C
C
C
CC
C
C
C
35.19
35.18
35.17
35.15
35.15
35.18
35.18
35.40
35.60
35.60
35.40
35.20
SALINITY psu
OC122-2
JUL. 1982
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
8

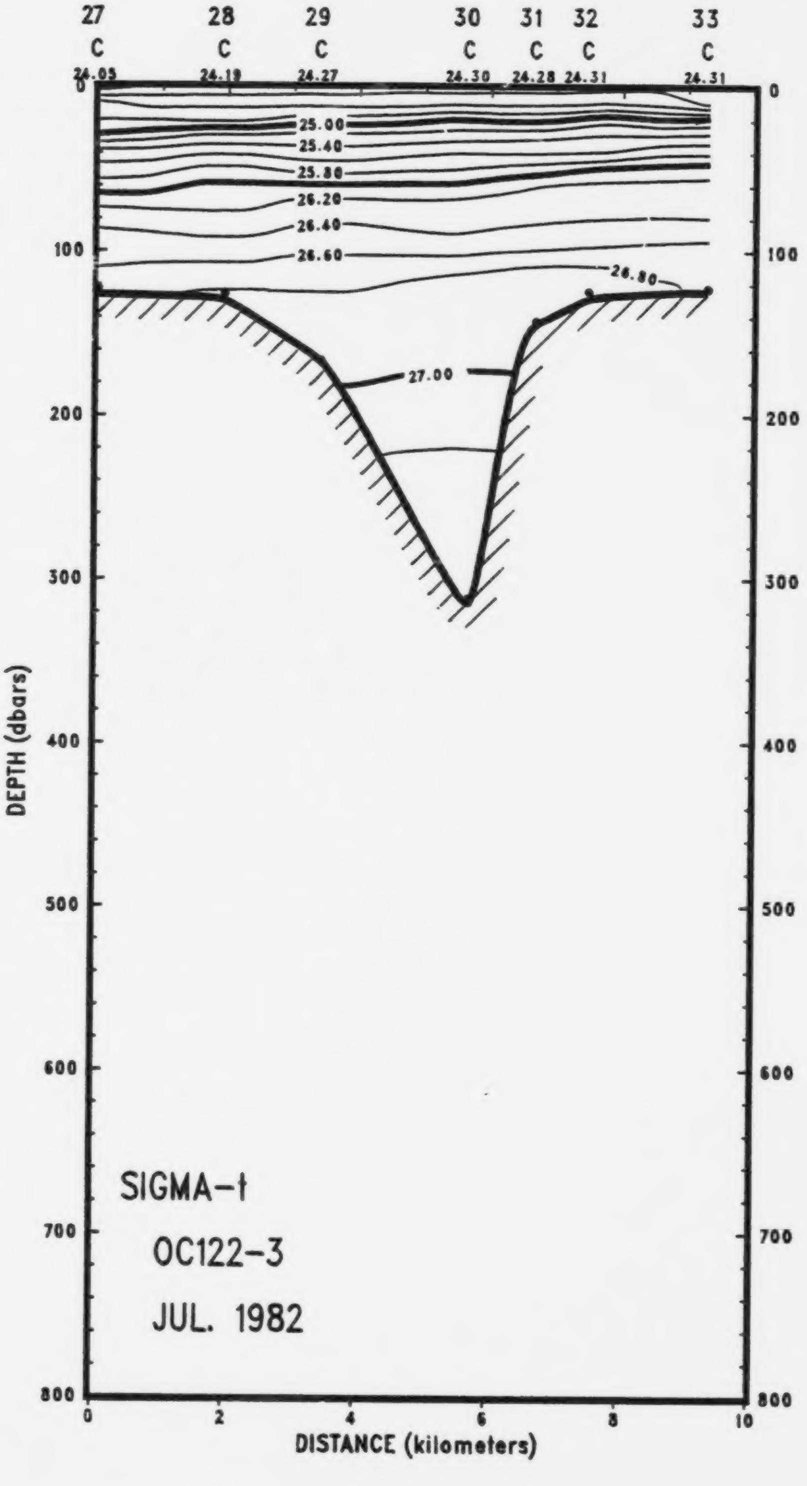

17
18
19
21
22
23
24
25
C
23.86
23.84
23.86
23.85
23.85
23.86
23.86
24.60
25.20
25.80
26.20
26.60
26.80
27.00
27.40
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
2
4
6
8
DISTANCE (kilometers)
SIGMA-t
OC122-2
JUL. 1982

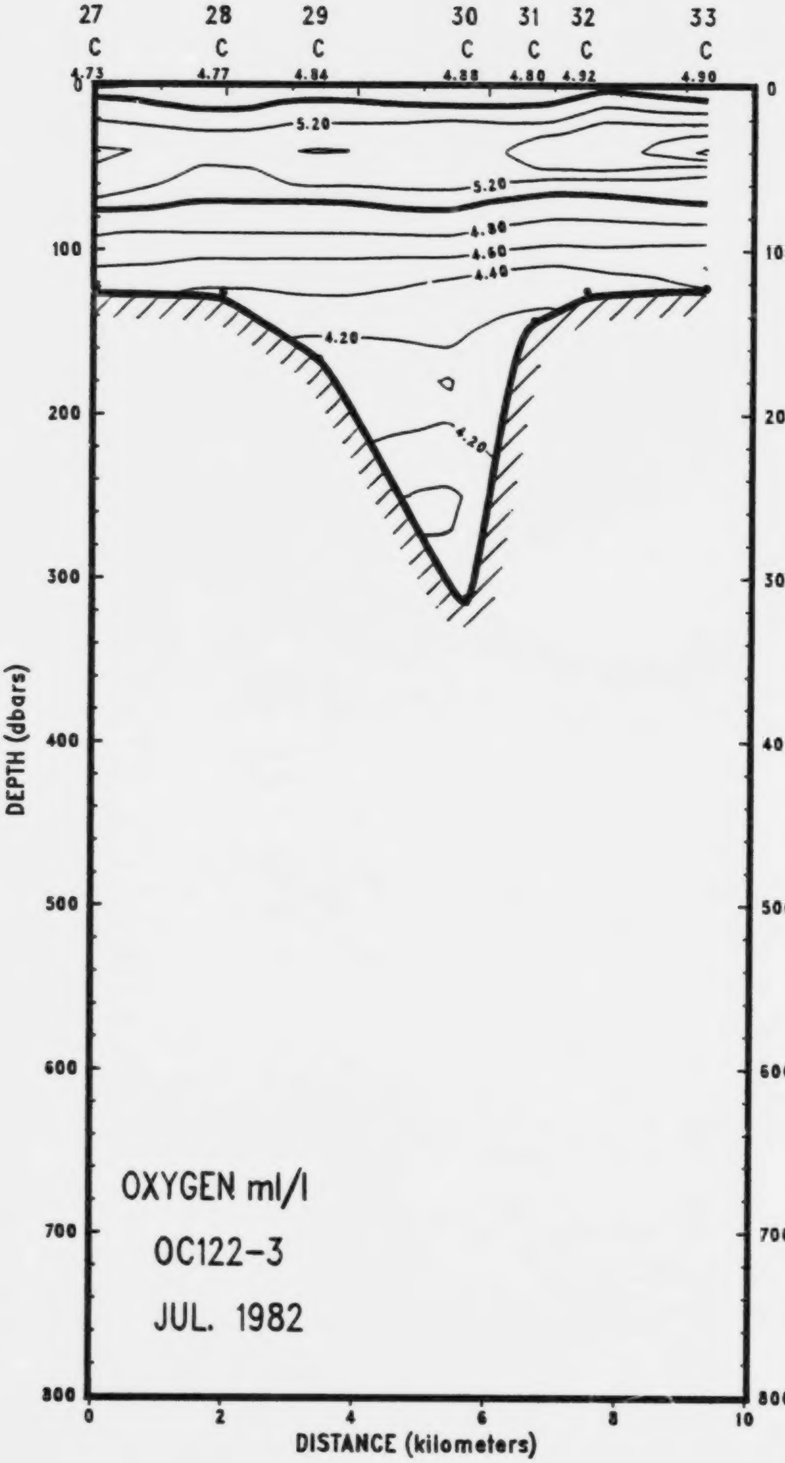

17
18
19
21
22
23
24
25
C
4.69
4.75
4.80
4.87
4.72
4.66
4.68
5.20
5.40
5.20
5.00
4.80
4.60
4.40
4.20
4.00
4.60
5.00
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
2
4
6
8
DISTANCE (kilometers)
OXYGEN ml/l
OC122-2
JUL. 1982

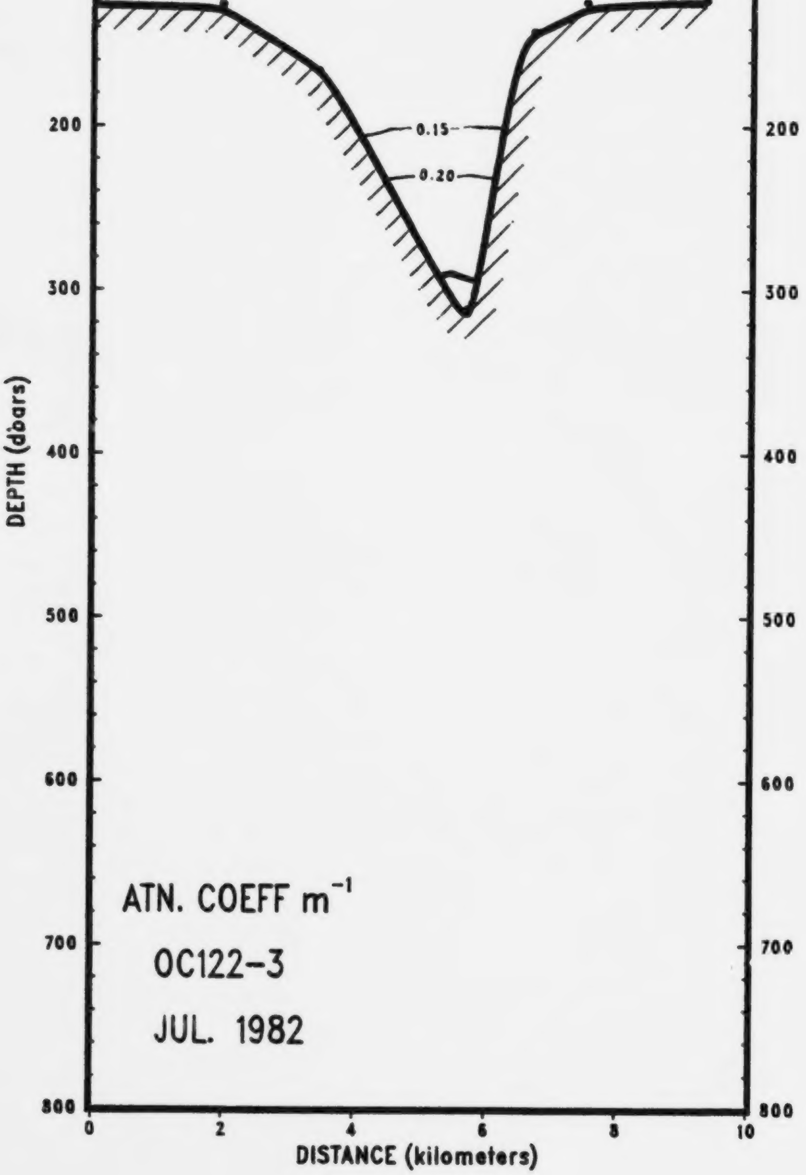

17
18
19
21
22
23
24
25
C
C
C
C
C
C
C
C
0.17
0.16
0.16
0.19
0.17
0.18
0.17
0.20
0.25
0.25
0.15
0.10
0.15
ATN. COEFF m⁻¹
OC122-2
JUL. 1982
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
8

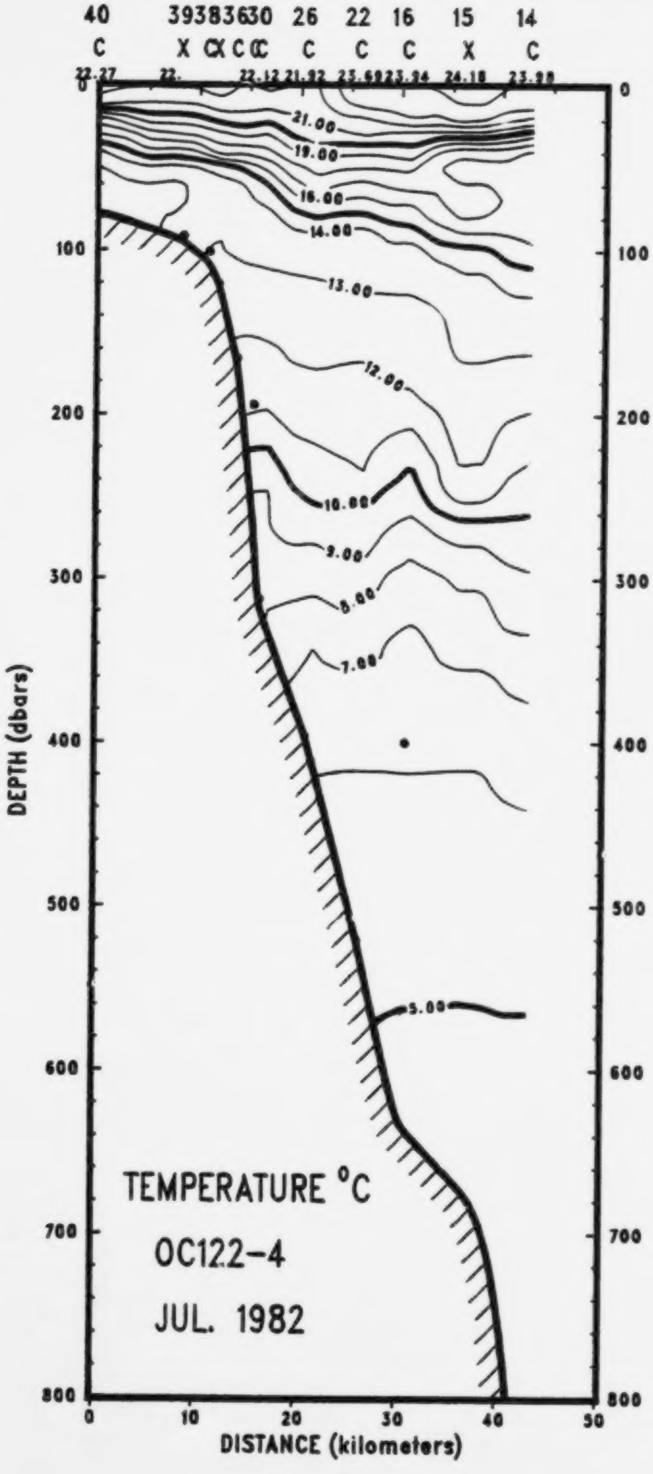

27
C
23.33
28
C
22.86
29
C
22.55
30
C
22.42
31
C
22.52
32
C
22.38
33
C
22.27
20.00
18.00
16.00
14.00
13.00
12.00
10
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
2
4
6
8
10
DISTANCE (kilometers)
TEMPERATURE °C
OC122-3
JUL. 1982

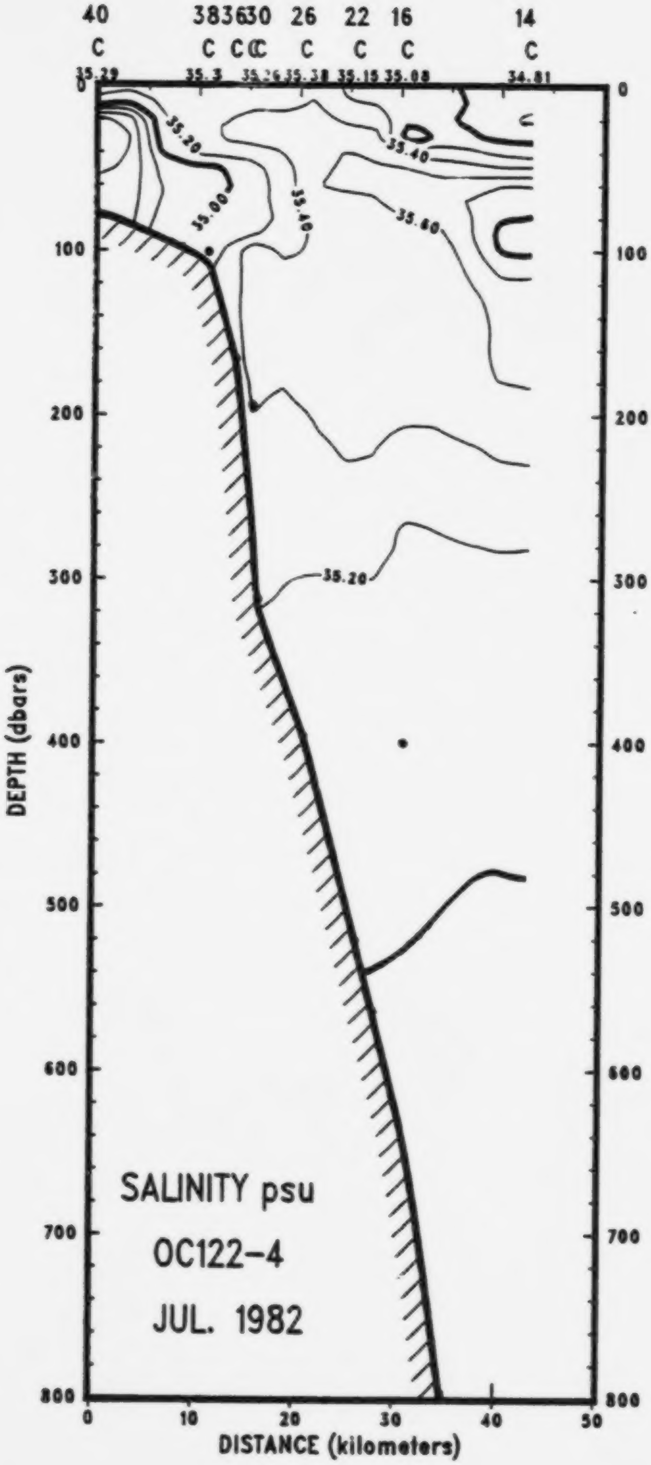

27
28
29
30
31
32
33
C
C
C
C
C
C
C
35.28
35.28
35.28
35.26
35.27
35.26
35.21
35.40
35.20
35.40
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
2
4
6
8
10
DISTANCE (kilometers)
SALINITY psu
OC122-3
JUL. 1982

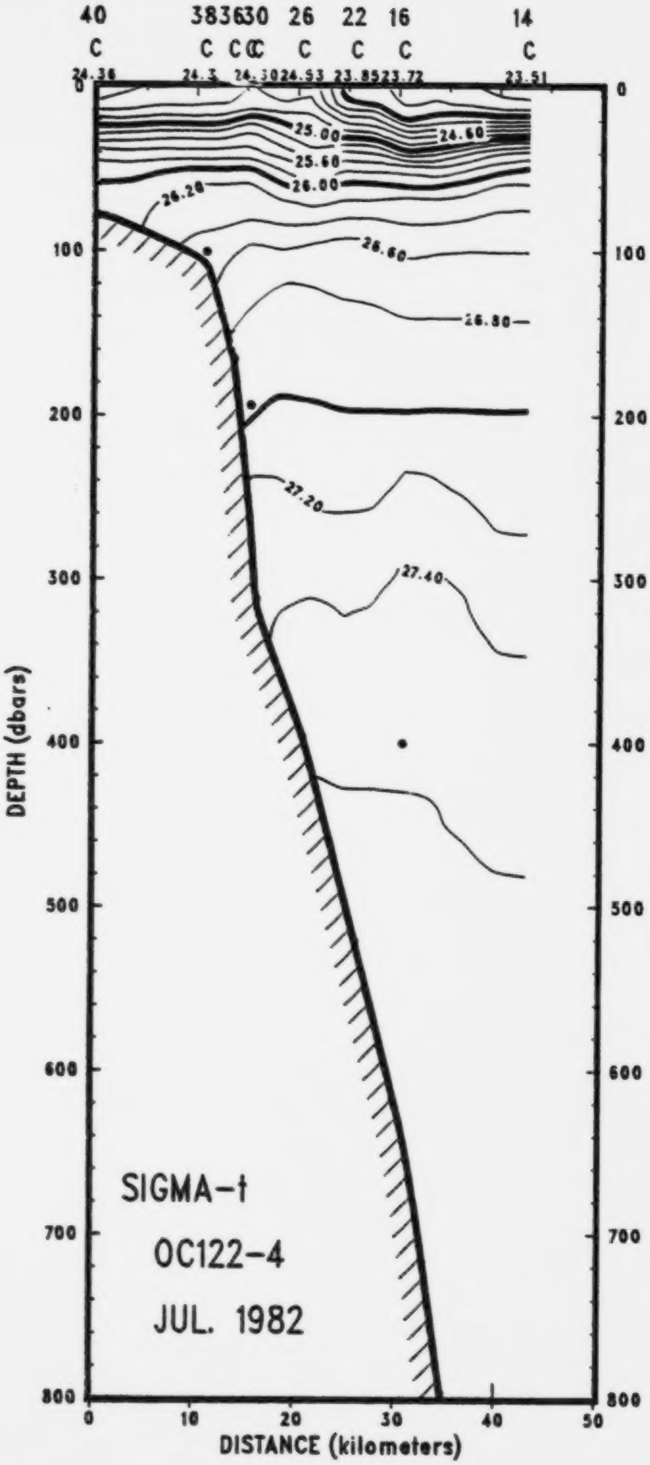

27
28
29
30
31
32
33
C
24.05
24.19
24.27
24.30
24.28
24.31
24.31
25.00
25.40
25.80
26.20
26.40
26.60
26.80
27.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
8
10
SIGMA-t
OC122-3
JUL. 1982

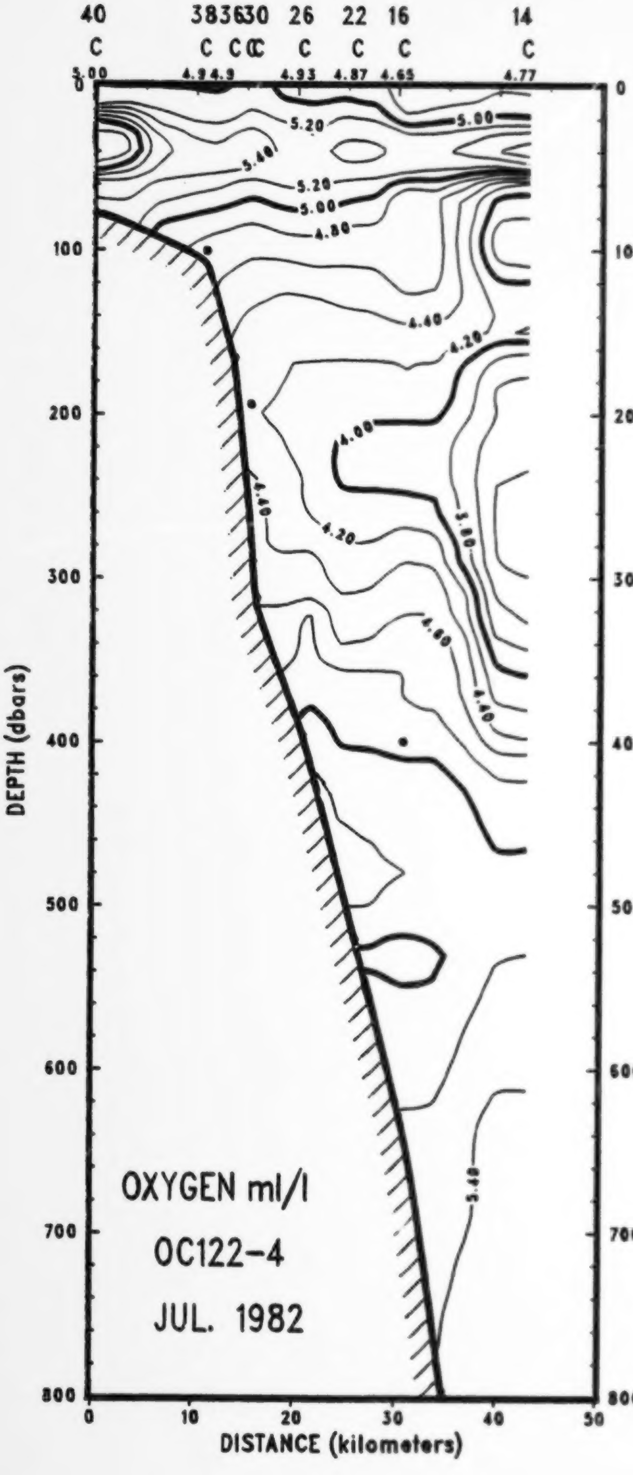

27
28
29
30
31
32
33
C
4.73
4.77
4.84
4.88
4.80
4.92
4.90
5.20
5.20
4.80
4.60
4.40
4.20
4.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
8
10
OXYGEN ml/l
OC122-3
JUL. 1982

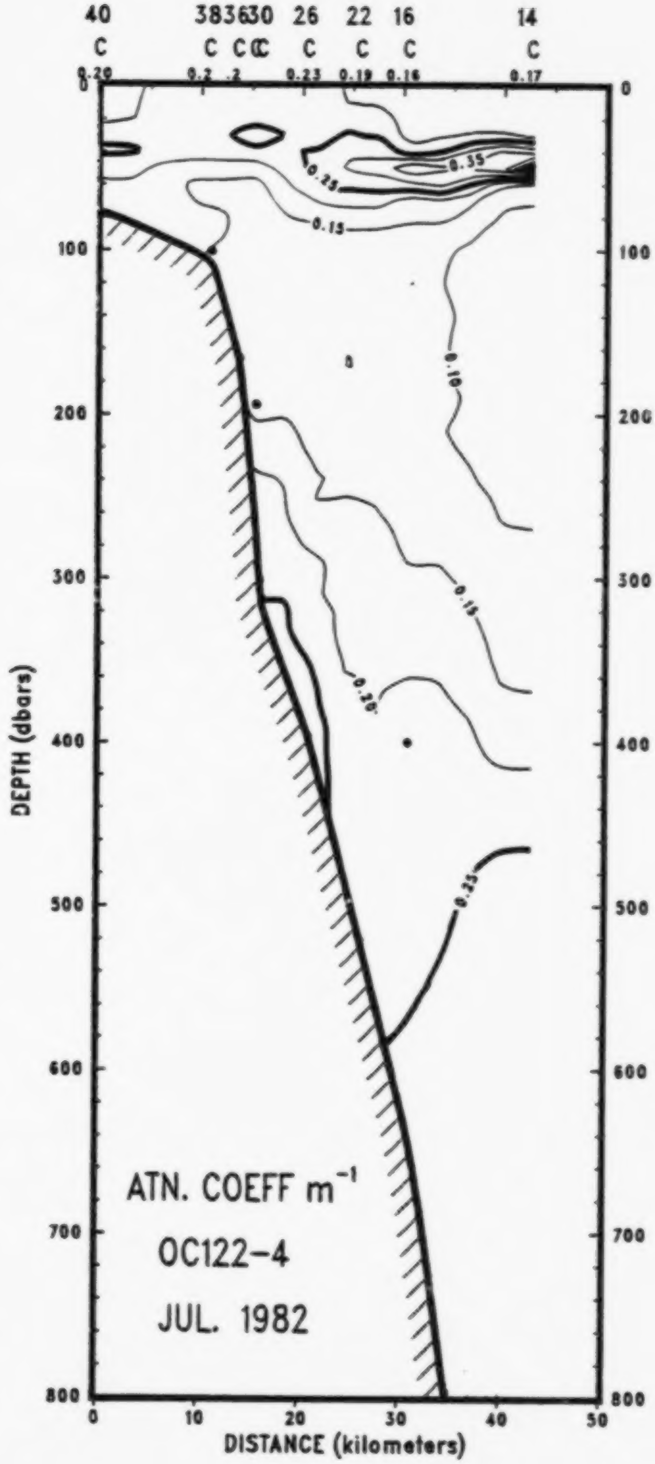

27
28
29
30
31
32
33
C
C
C
C
C
C
C
0.19
0.20
0.21
0.22
0.21
0.21
0.22
0.25
0.25
0.20
0.15
0.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
8
10
ATN. COEFF $m^{-1}$
OC122-3
JUL. 1982


40
39383630
26
22
16
15
14
C
X
CX
C
CC
C
C
C
X
C
22.27
22.
22.12
21.92
23.69
23.94
24.18
23.98
21.00
19.00
16.00
14.00
13.00
12.00
10.00
9.00
8.00
7.00
5.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
TEMPERATURE °C
OC122-4
JUL. 1982

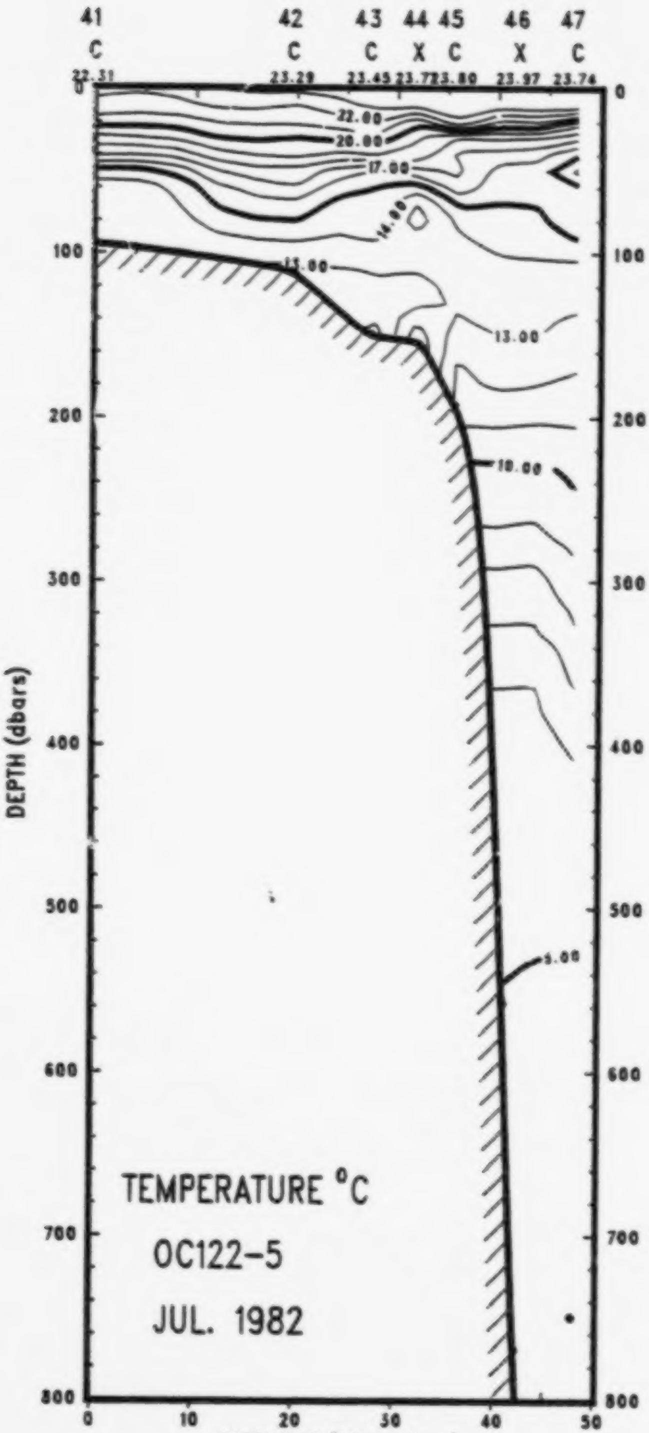

40
383630
26
22
16
14
C
C
C
C
C
C
C
C
C
35.29
35.3
35.26
35.38
35.15
35.08
34.81
35.20
35.00
35.40
35.40
35.60
35.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
10
20
30
40
50
SALINITY psu
OC122-4
JUL. 1982

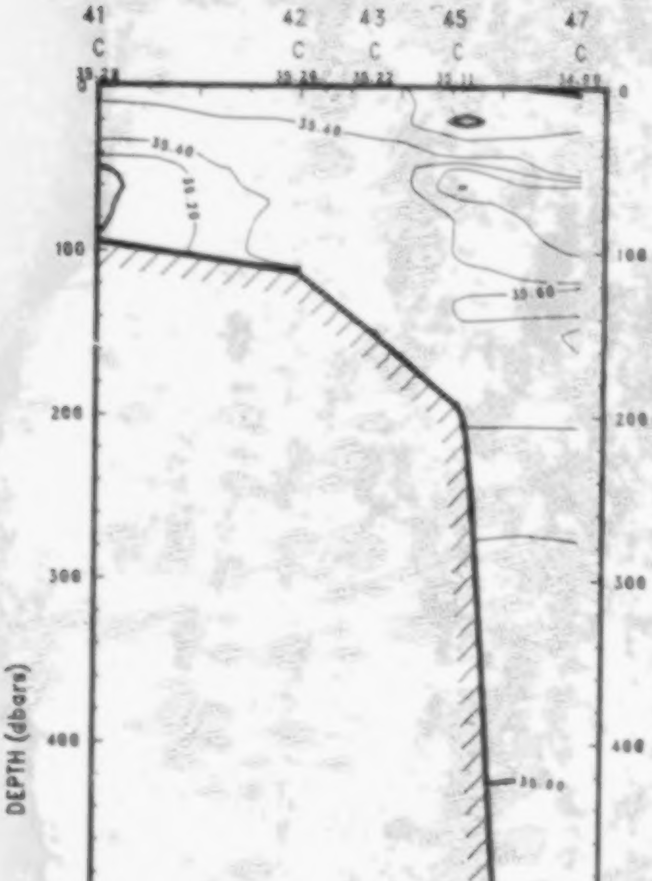

40
38
36
30
26
22
16
14
C
24.36
24.3
24.30
24.53
23.85
23.72
23.51
25.00
24.60
25.60
26.00
26.20
26.60
26.80
27.20
27.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
10
20
30
40
50
DISTANCE (kilometers)
SIGMA-t
OC122-4
JUL. 1982


40
38
36
30
26
22
16
14
C
5.00
4.9
4.9
4.93
4.87
4.65
4.77
5.20
5.40
5.00
4.80
4.40
4.20
4.00
3.80
3.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
10
20
30
40
50
OXYGEN ml/l
OC122-4
JUL. 1982



40
38
36
30
26
22
16
14
C
0.20
0.2
.2
0.23
0.19
0.16
0.17
0.35
0.25
0.15
0.10
0.15
0.20
0.25
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
ATN. COEFF $m^{-1}$
OC122-4
JUL. 1982

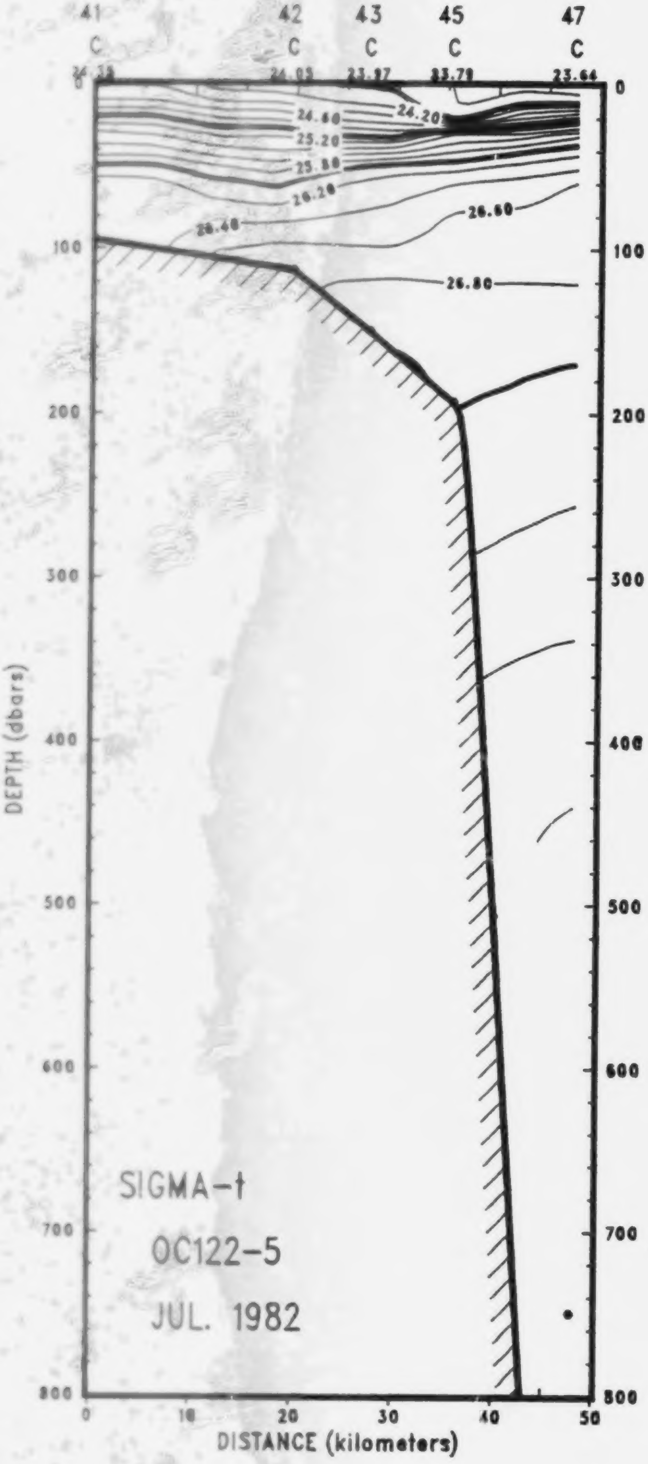

41 C 22.31
42 C 23.29
43 C 23.45
44 X 23.72
45 C 23.80
46 X 23.97
47 C 23.74
22.00
20.00
17.00
14.00
13.00
10.00
5.00
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
10
20
30
40
50
DISTANCE (kilometers)
TEMPERATURE °C
OC122-5
JUL. 1982



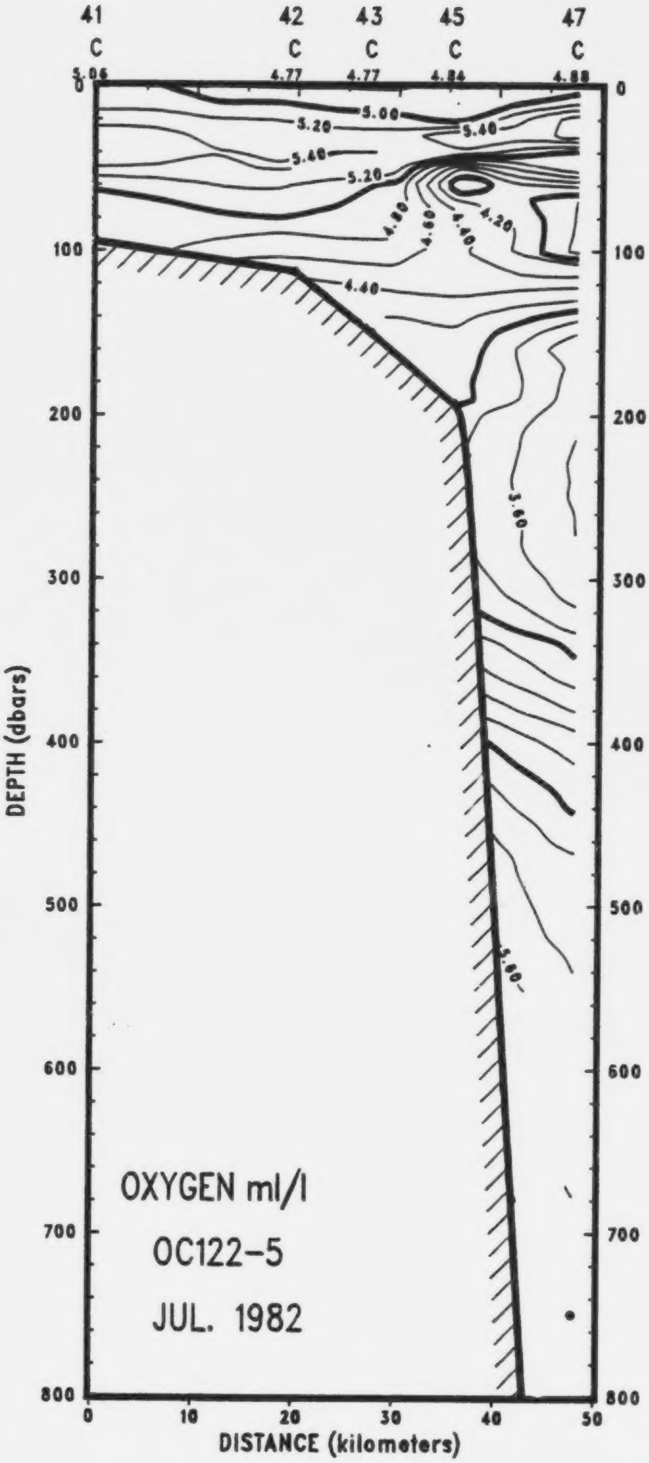
SALINITY psu

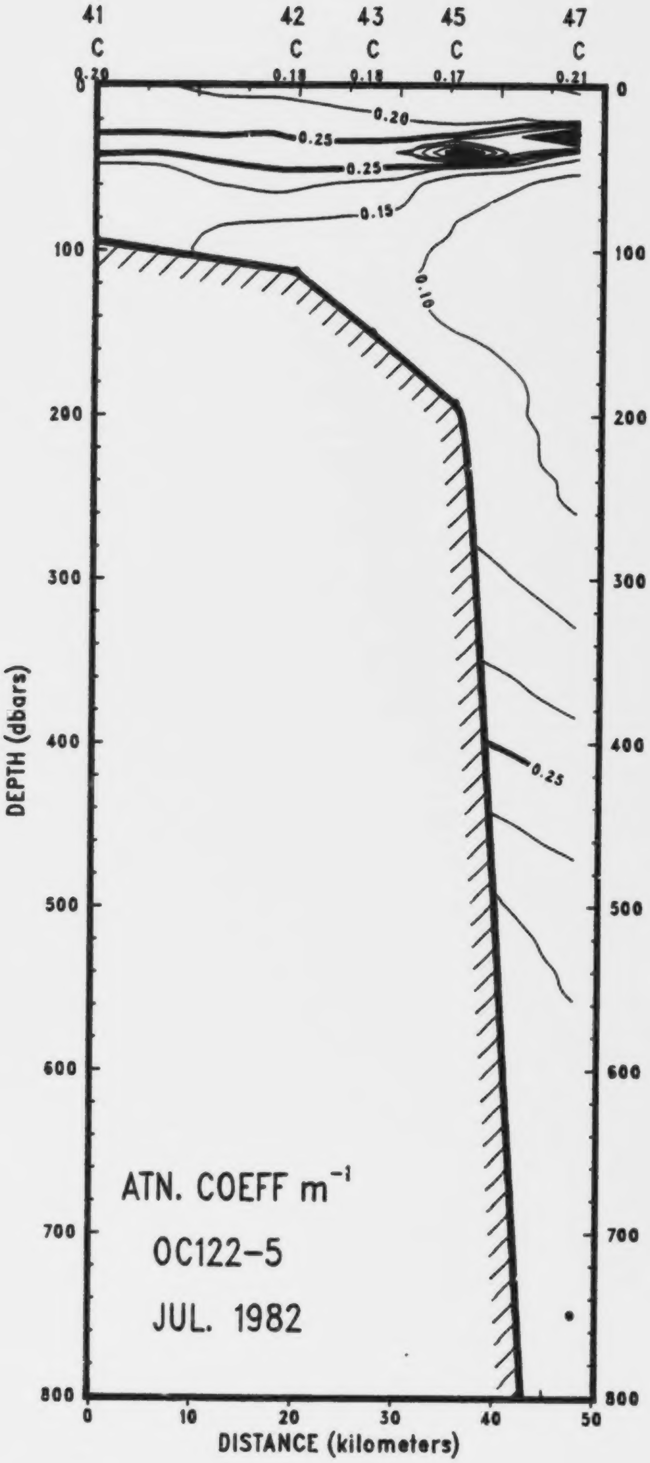
OC122-5

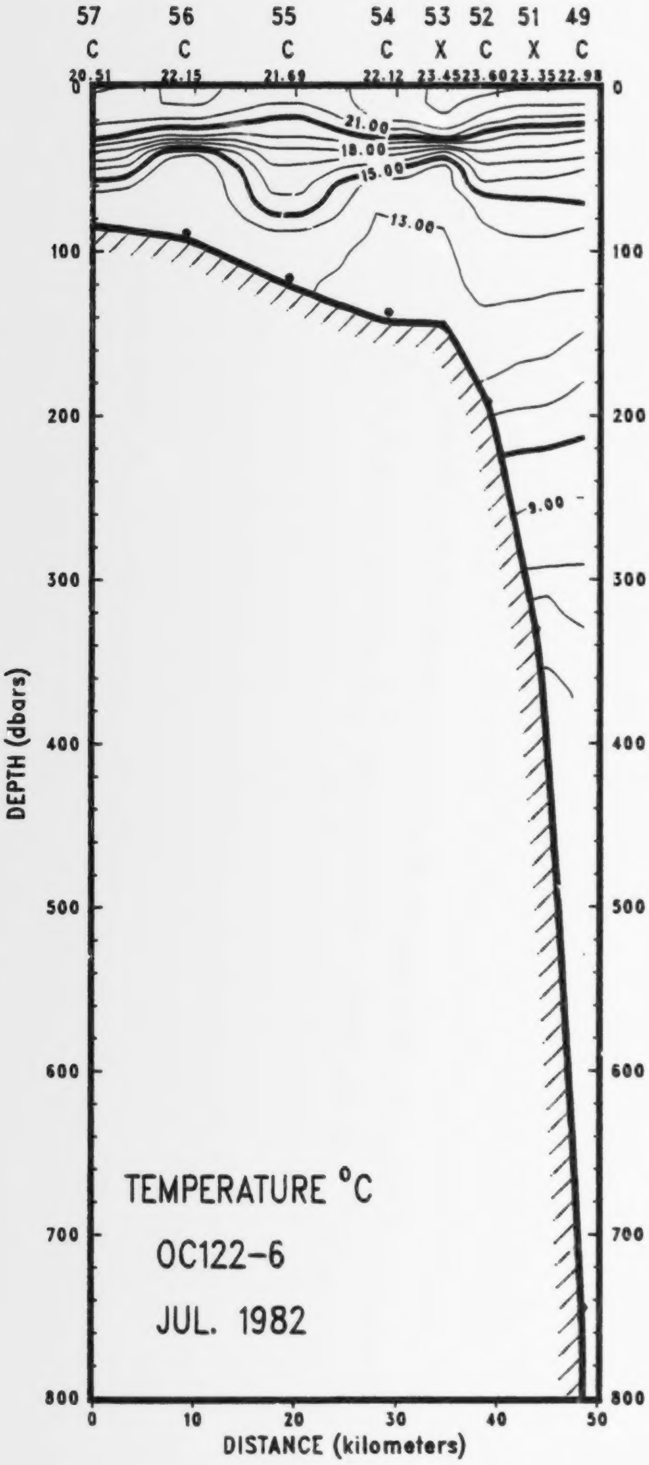
JUL. 1982

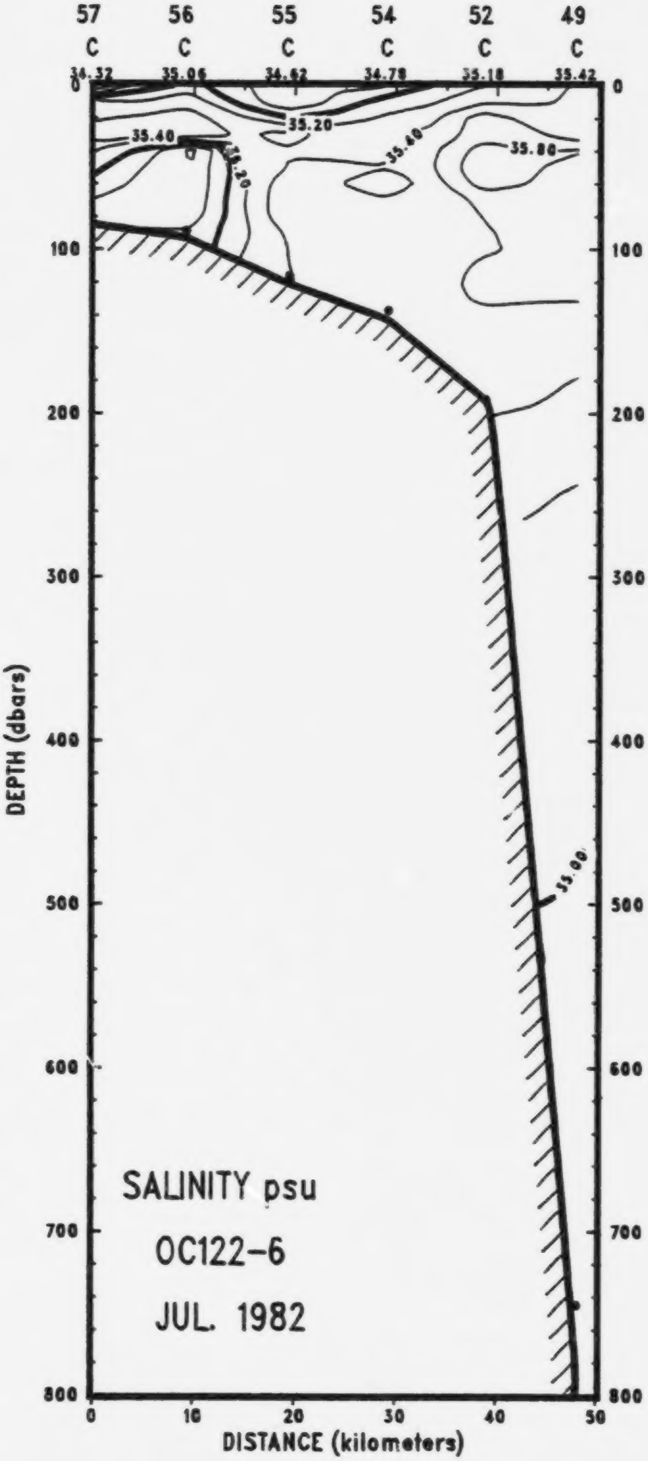


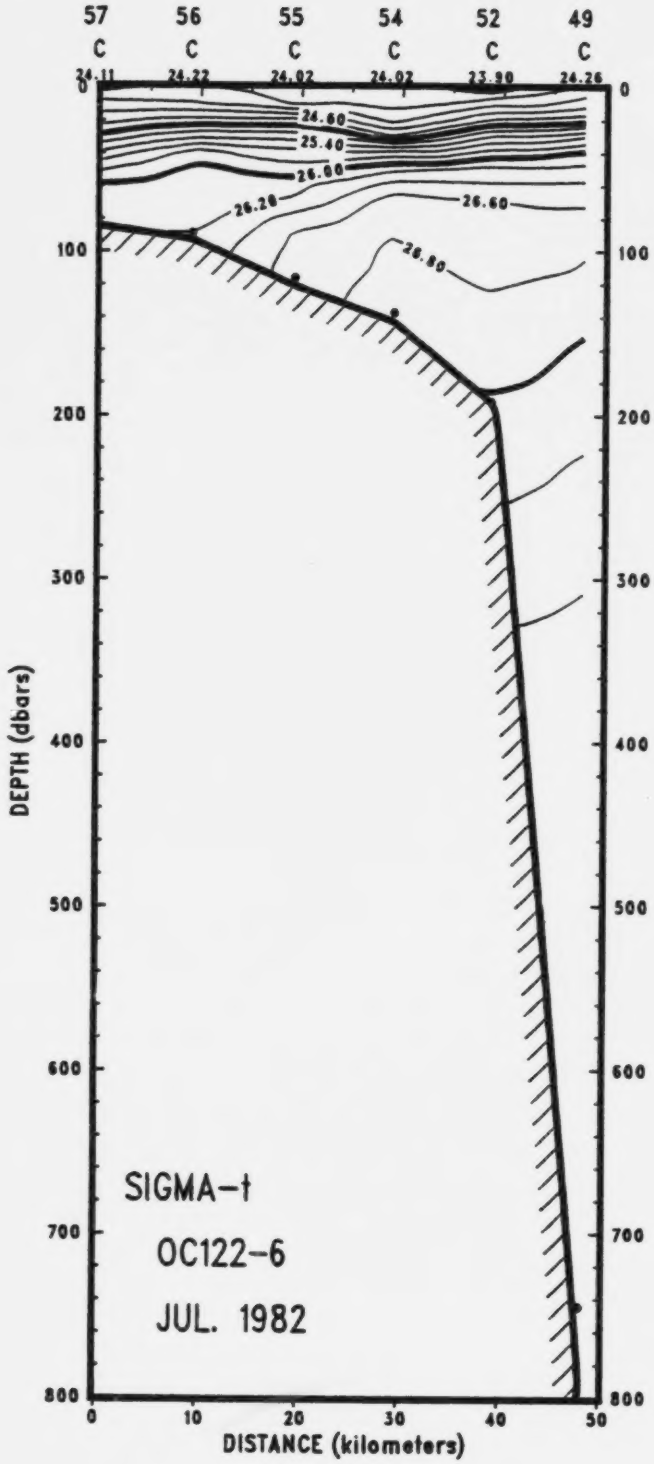
41
42
43
45
47
C
C
C
C
C
24.33
24.05
23.97
23.79
23.64
24.60
24.20
25.20
25.80
26.20
26.40
26.60
26.80
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
10
20
30
40
50
DISTANCE (kilometers)
SIGMA-t
OC122-5
JUL. 1982

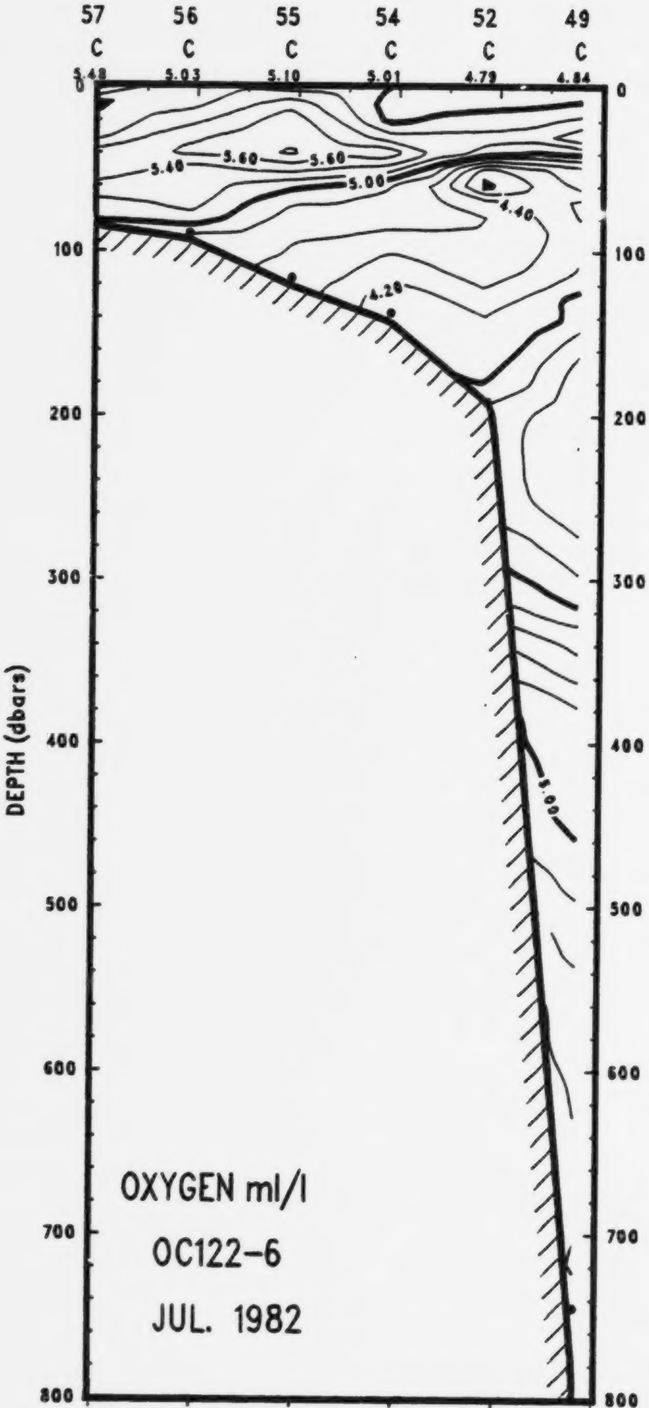

41
42
43
45
47
C
C
C
C
C
5.06
4.77
4.77
4.84
4.88
5.00
5.20
5.40
5.40
5.20
4.80
4.60
4.40
4.20
4.40
3.60
3.60
OXYGEN ml/l
OC122-5
JUL. 1982
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50

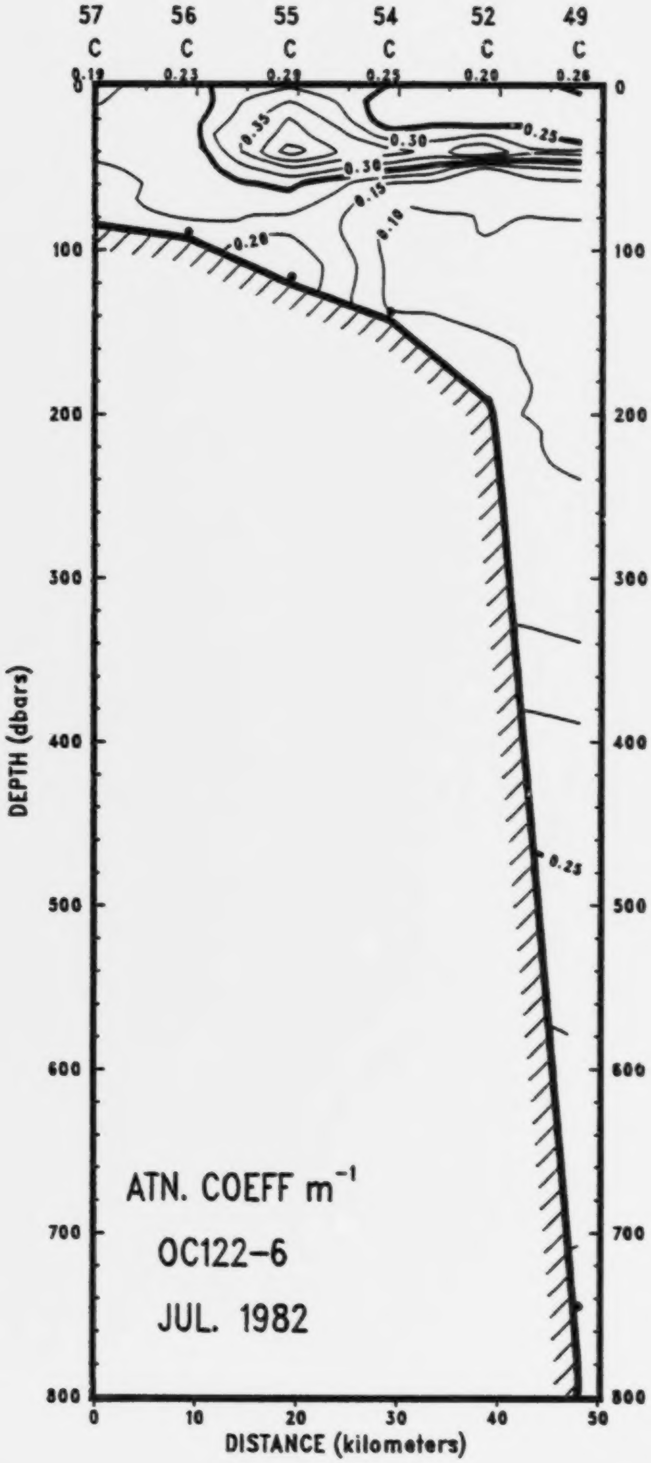

41
42
43
45
47
C
C
C
C
C
0.20
0.18
0.18
0.17
0.21
0.20
0.25
0.25
0.15
0.10
0.25
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
10
20
30
40
50
DISTANCE (kilometers)
ATN. COEFF m⁻¹
OC122-5
JUL. 1982

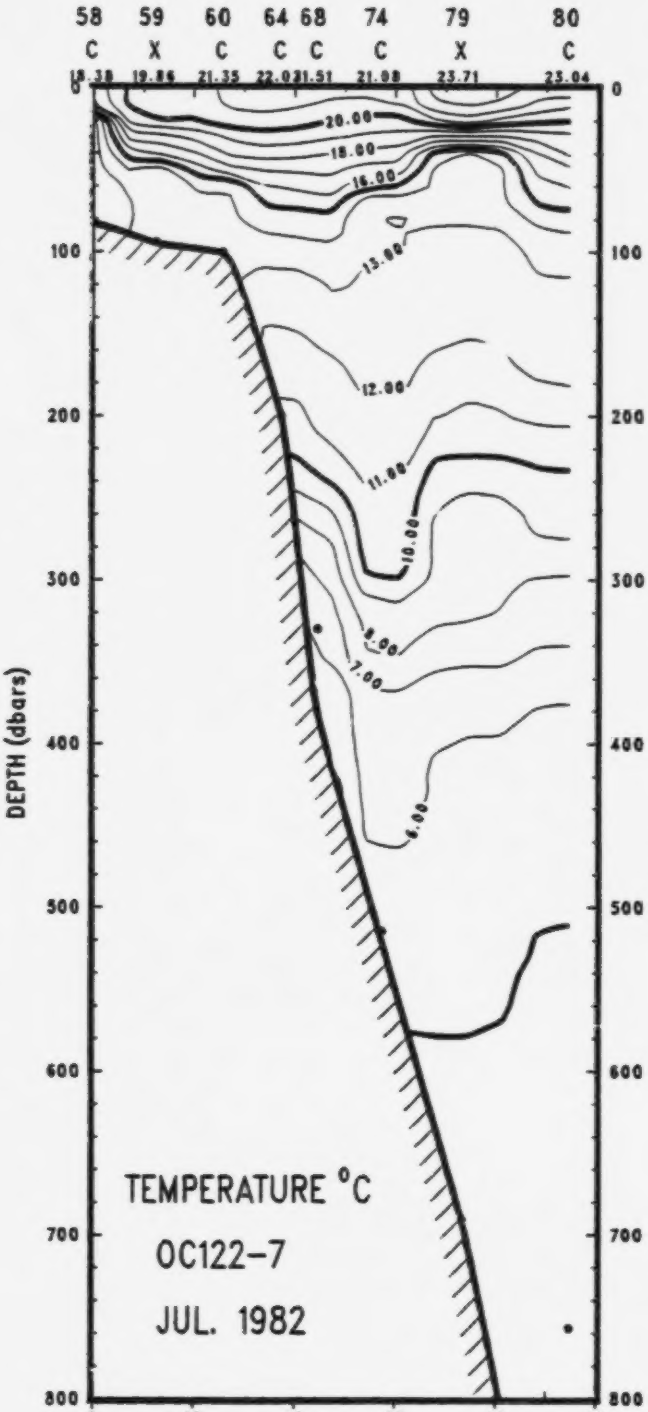

57
56
55
54
53
52
51
49
C
C
C
C
X
C
X
C
20.51
22.15
21.69
22.12
23.45
23.60
23.35
22.98
21.00
18.00
15.00
13.00
9.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
TEMPERATURE °C
OC122-6
JUL. 1982

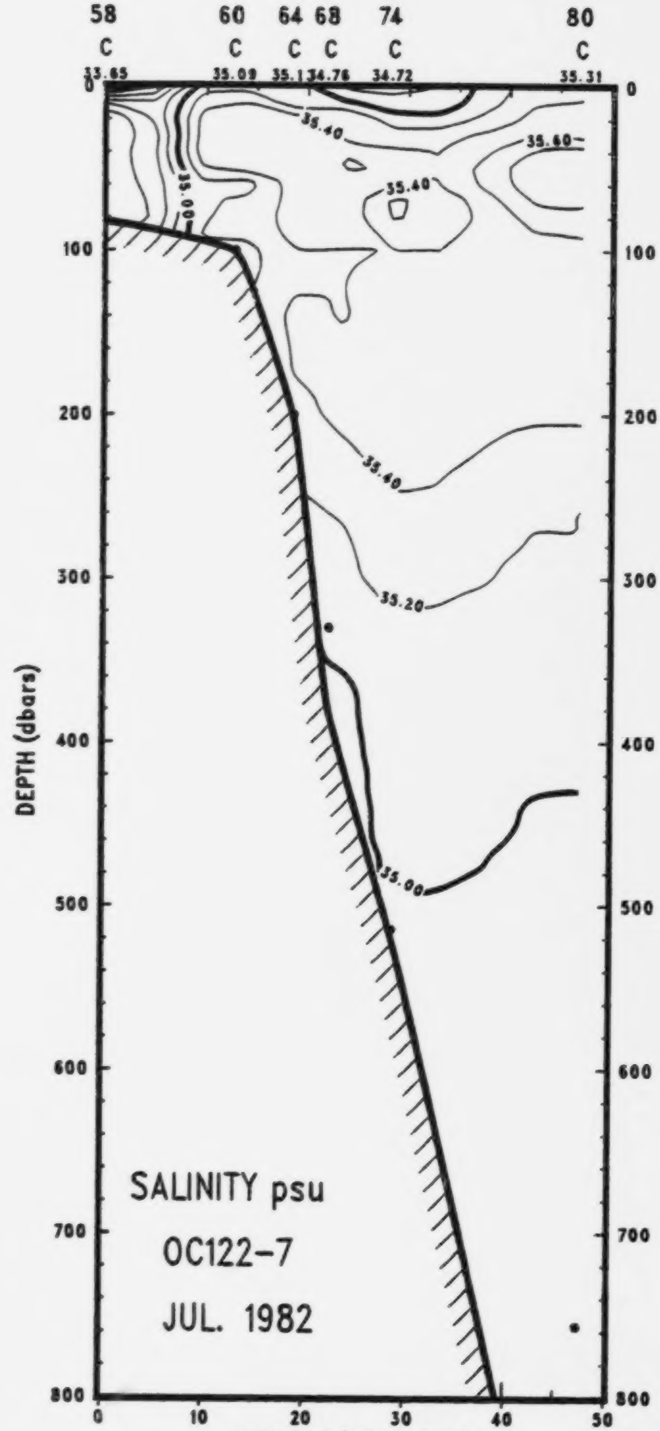

57
56
55
54
52
49
C
C
C
C
C
C
34.32
35.06
34.62
34.78
35.18
35.42
35.40
35.20
35.20
35.40
35.80
35.00
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
10
20
30
40
50
DISTANCE (kilometers)
SALINITY psu
OC122-6
JUL. 1982

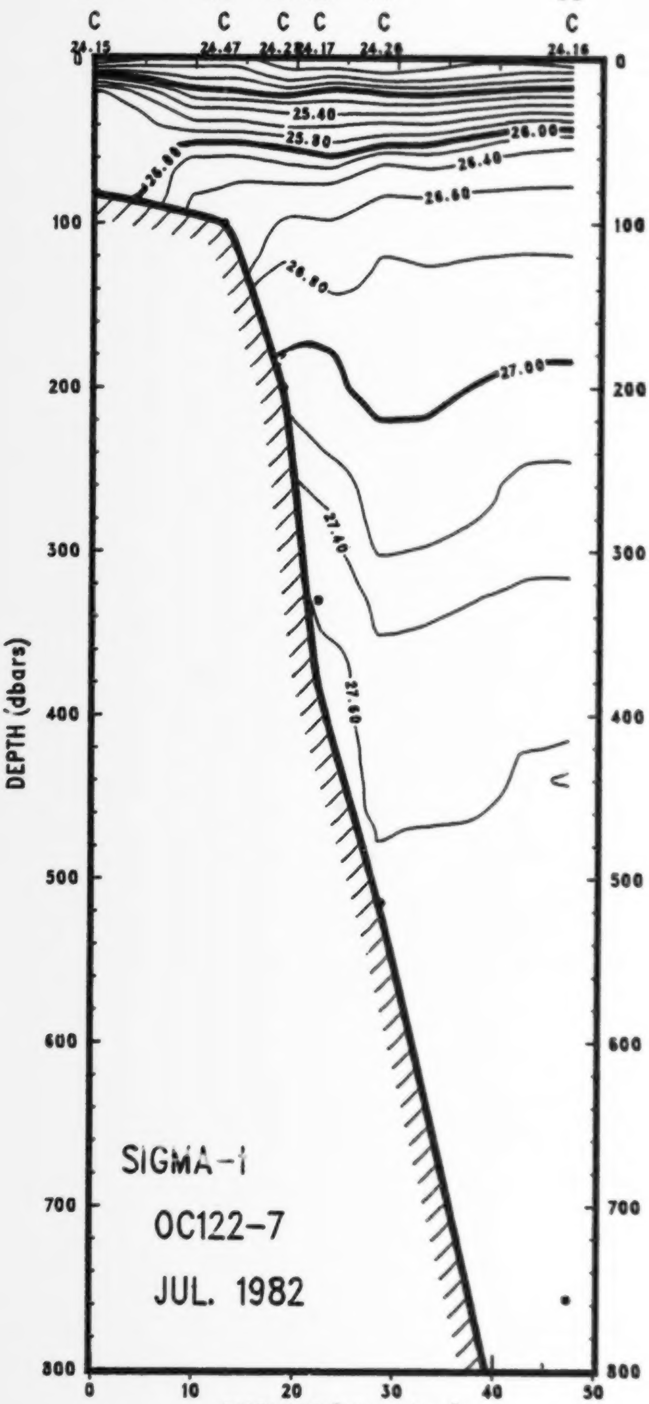

57
56
55
54
52
49
C
C
C
C
C
C
24.11
24.22
24.02
24.02
23.90
24.26
24.60
25.40
26.00
26.20
26.60
26.80
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
10
20
30
40
50
DISTANCE (kilometers)
SIGMA-t
OC122-6
JUL. 1982

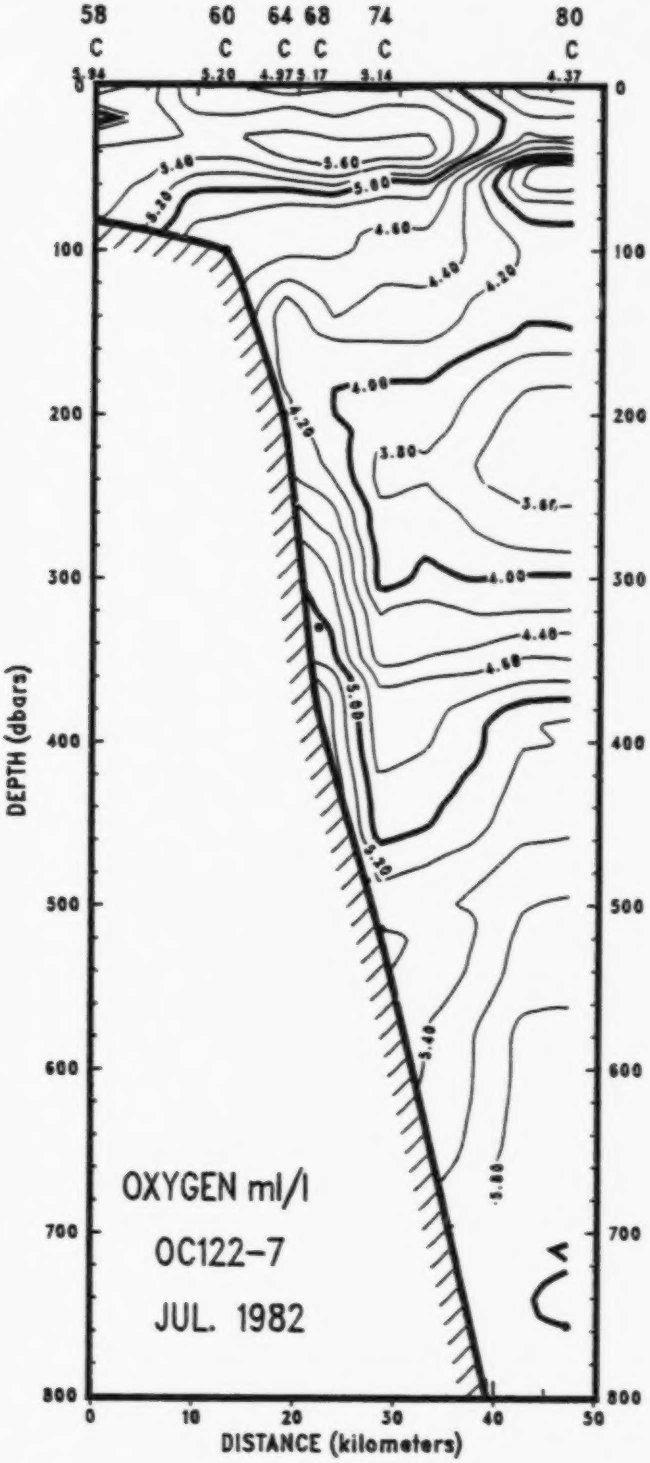

57 56 55 54 52 49
C C C C C C
5.48 5.03 5.10 5.01 4.79 4.84
5.60
5.40
5.00
4.40
4.20
5.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
OXYGEN ml/l
OC122-6
JUL. 1982

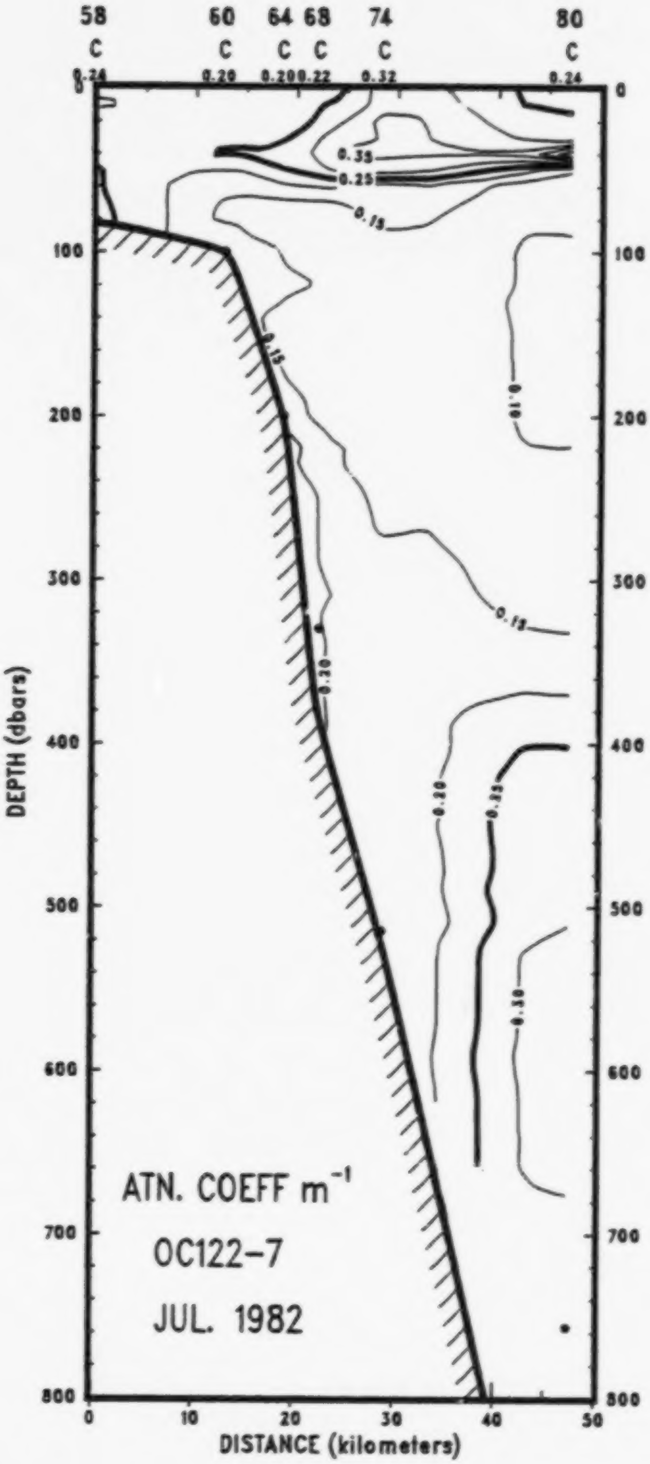

57
56
55
54
52
49
C
C
C
C
C
C
0.19
0.23
0.29
0.25
0.20
0.26
0.35
0.30
0.25
0.30
0.15
0.10
0.20
0.25
ATN. COEFF m⁻¹
OC122-6
JUL. 1982
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50

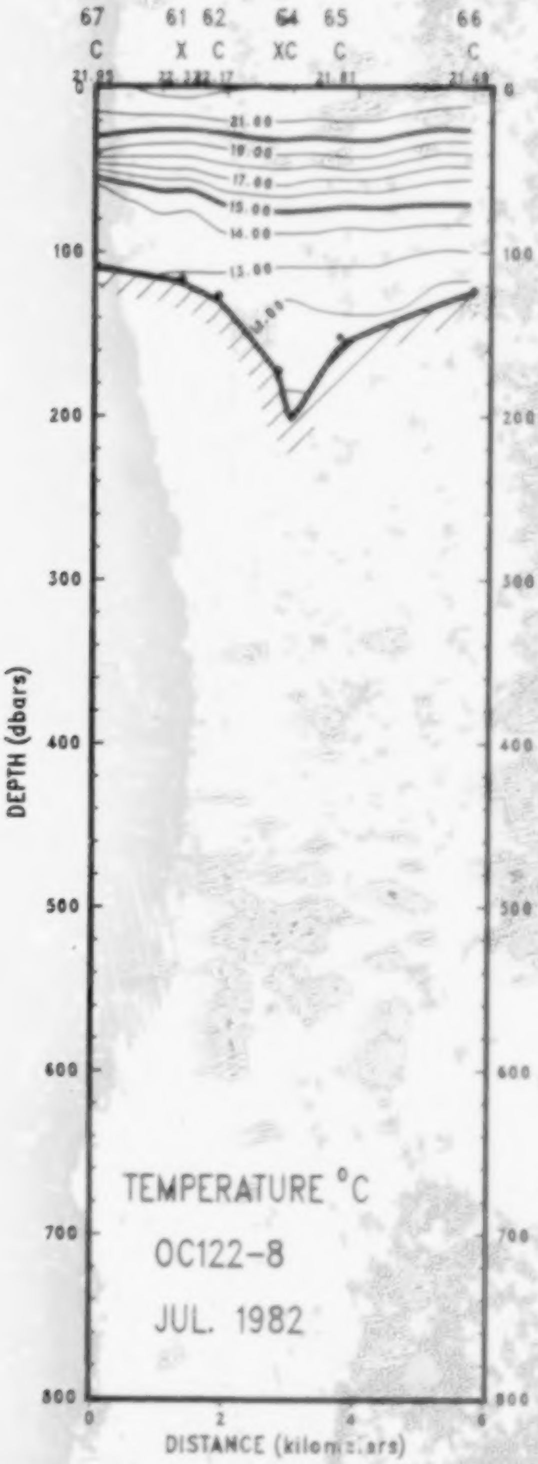

58 59 60 64 68 74 79 80
C X C C C C X C
18.38 19.86 21.35 22.03 21.51 21.08 23.71 23.04
20.00
18.00
16.00
13.00
12.00
11.00
10.00
8.00
7.00
6.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
10
20
30
40
50
TEMPERATURE °C
OC122-7
JUL. 1982

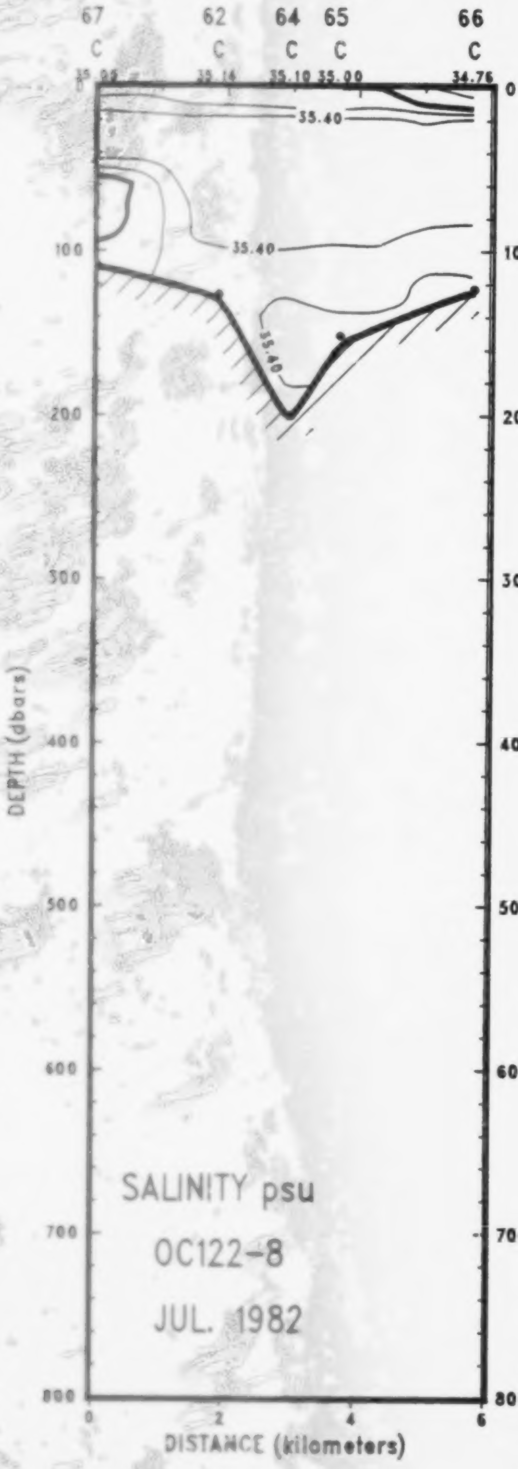

58
60
64
68
74
80
C
C
C
C
C
C
33.65
35.09
35.1
34.76
34.72
35.31
35.40
35.60
35.00
35.40
35.40
35.20
35.00
SALINITY psu
OC122-7
JUL. 1982
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50

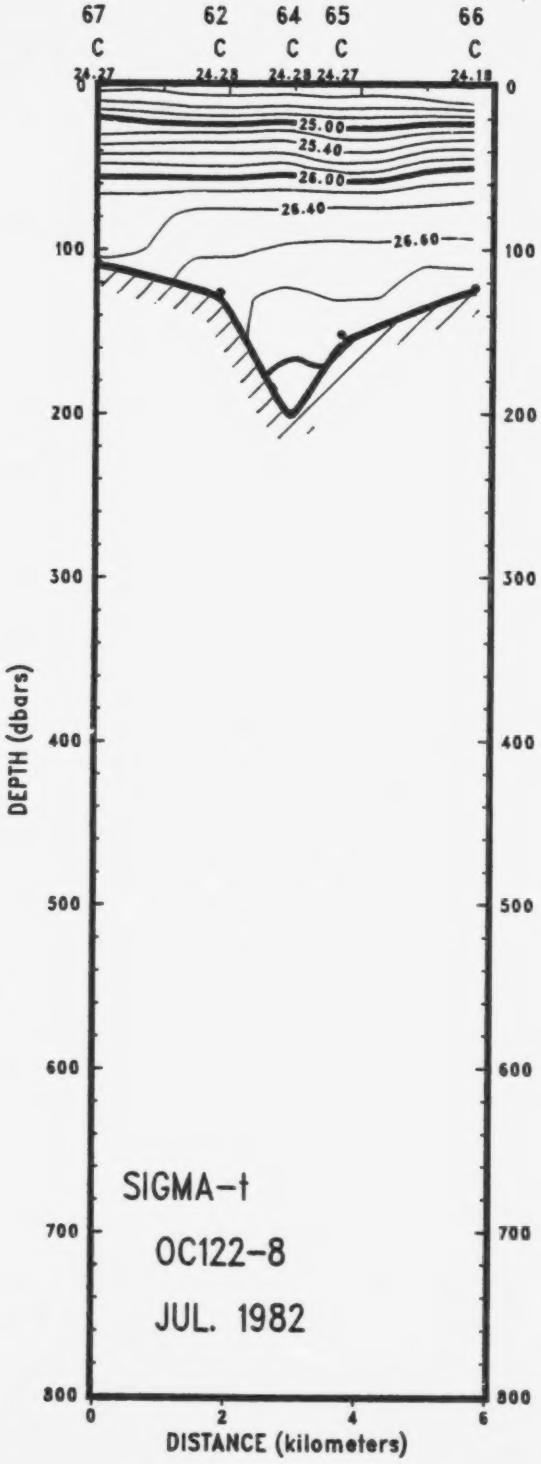

58
60
64
68
74
80
C
C
C
C
C
C
24.15
24.47
24.2
24.17
24.28
24.16
25.40
25.80
26.00
26.00
26.40
26.60
26.80
27.00
27.40
27.60
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
SIGMA-t
OC122-7
JUL. 1982

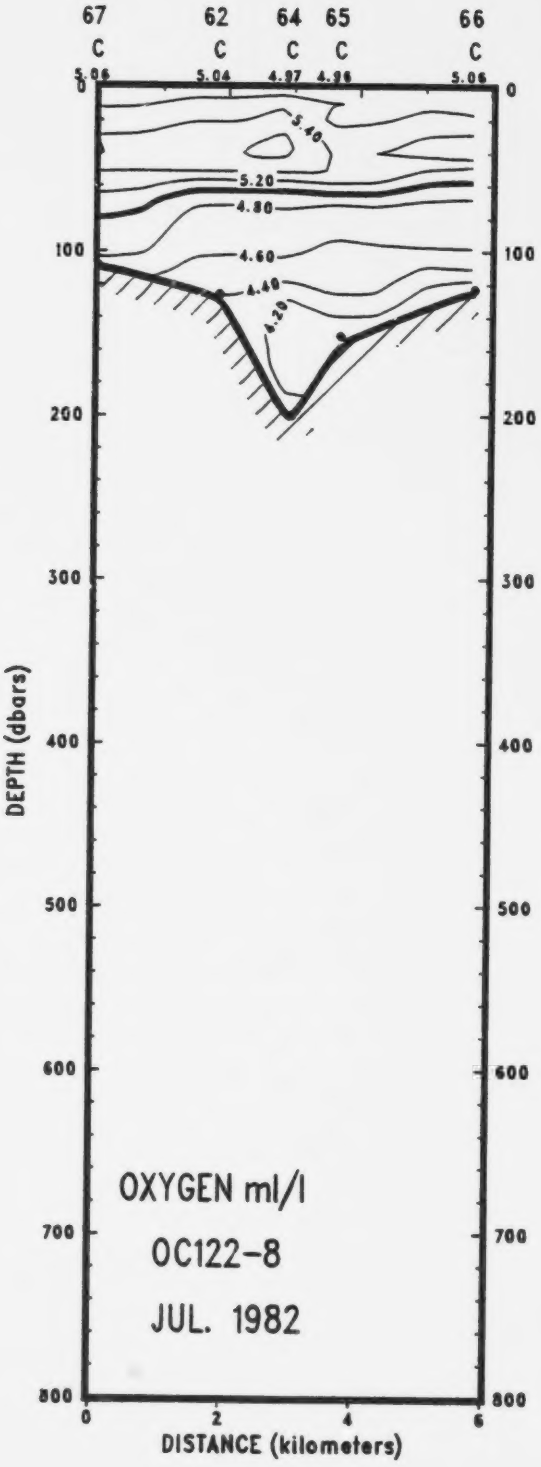

58
60
64
68
74
80
C
C
C
C
C
C
5.94
5.20
4.97
5.17
5.14
4.37
5.40
5.60
5.80
5.20
4.60
4.40
4.20
4.00
4.20
3.80
3.60
4.00
4.40
4.60
5.00
5.20
5.40
5.80
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
OXYGEN ml/l
OC122-7
JUL. 1982

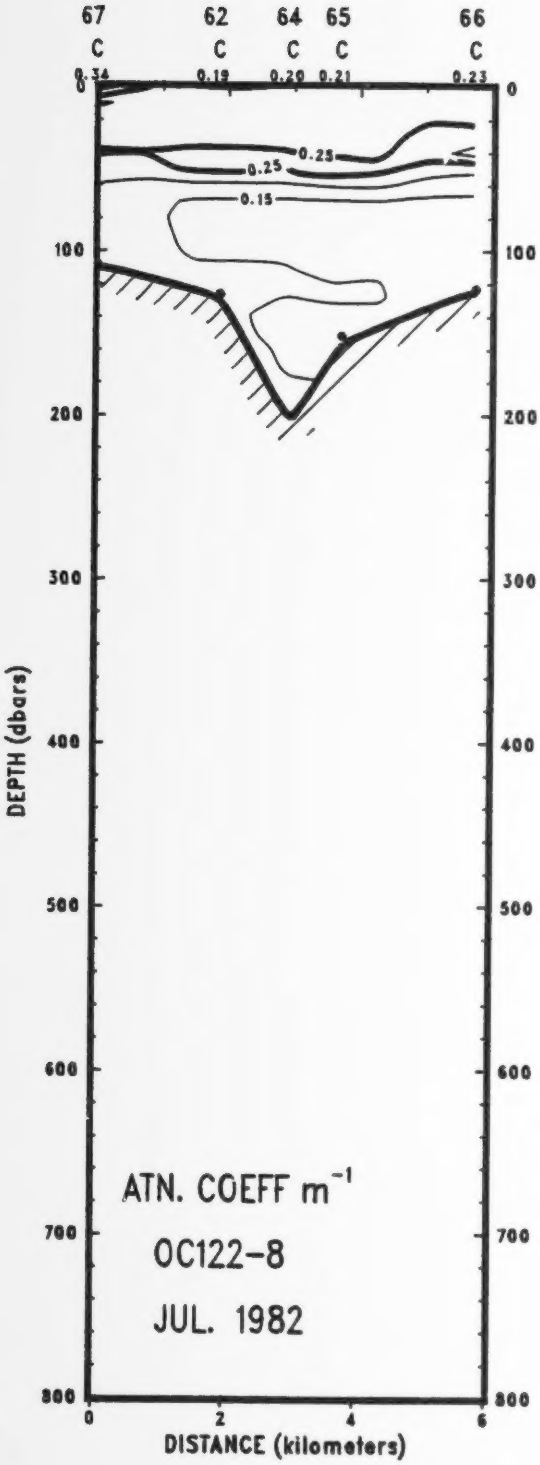

58
C
0.24
60
C
0.20
64
C
0.20
68
C
0.22
74
C
0.32
80
C
0.24
0.35
0.25
0.15
0.15
0.10
0.15
0.20
0.20
0.25
0.30
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
ATN. COEFF m$^{-1}$
OC122-7
JUL. 1982

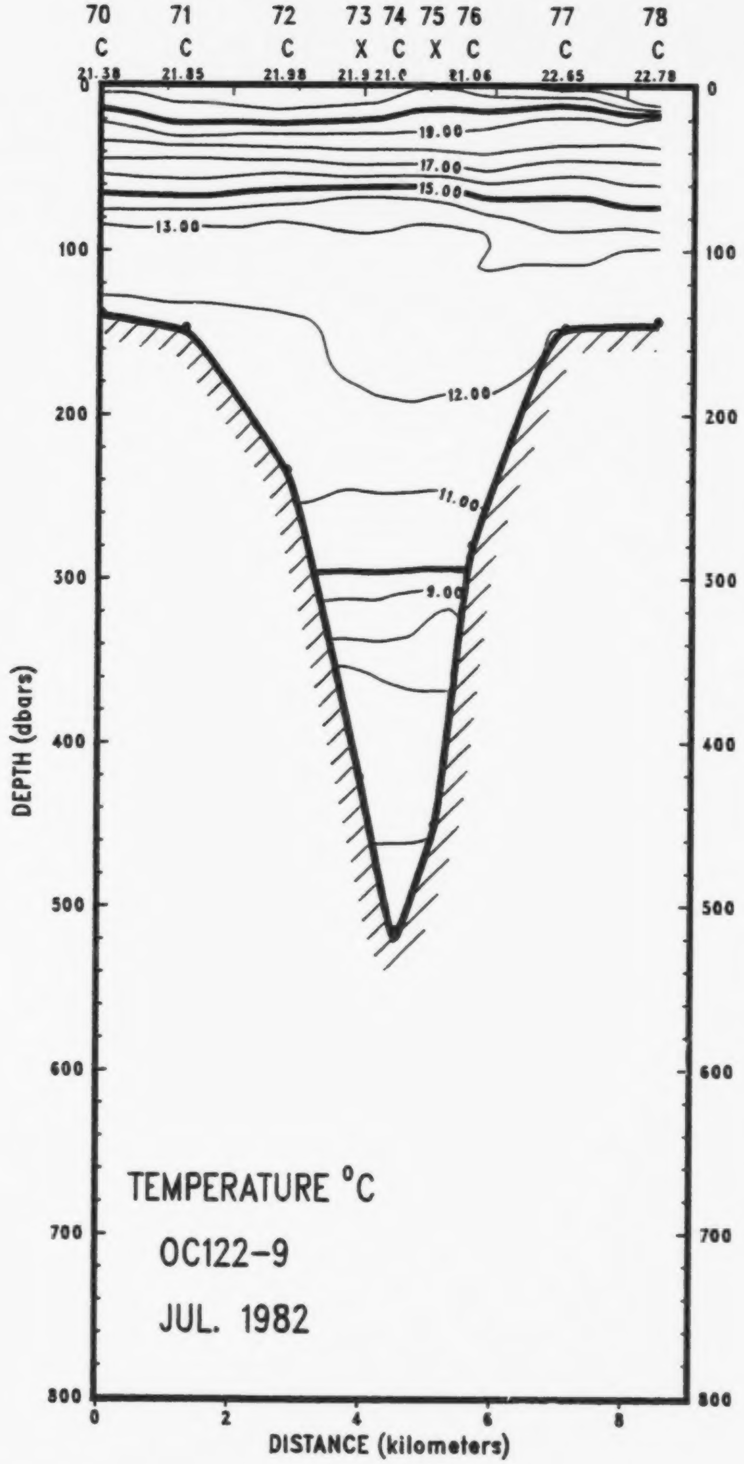

67 C
61 X
62 C
64 XC
65 C
66 C
21.95
22.17
21.81
21.48
21.00
19.00
17.00
15.00
14.00
13.00
12.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
TEMPERATURE °C
OC122-8
JUL. 1982

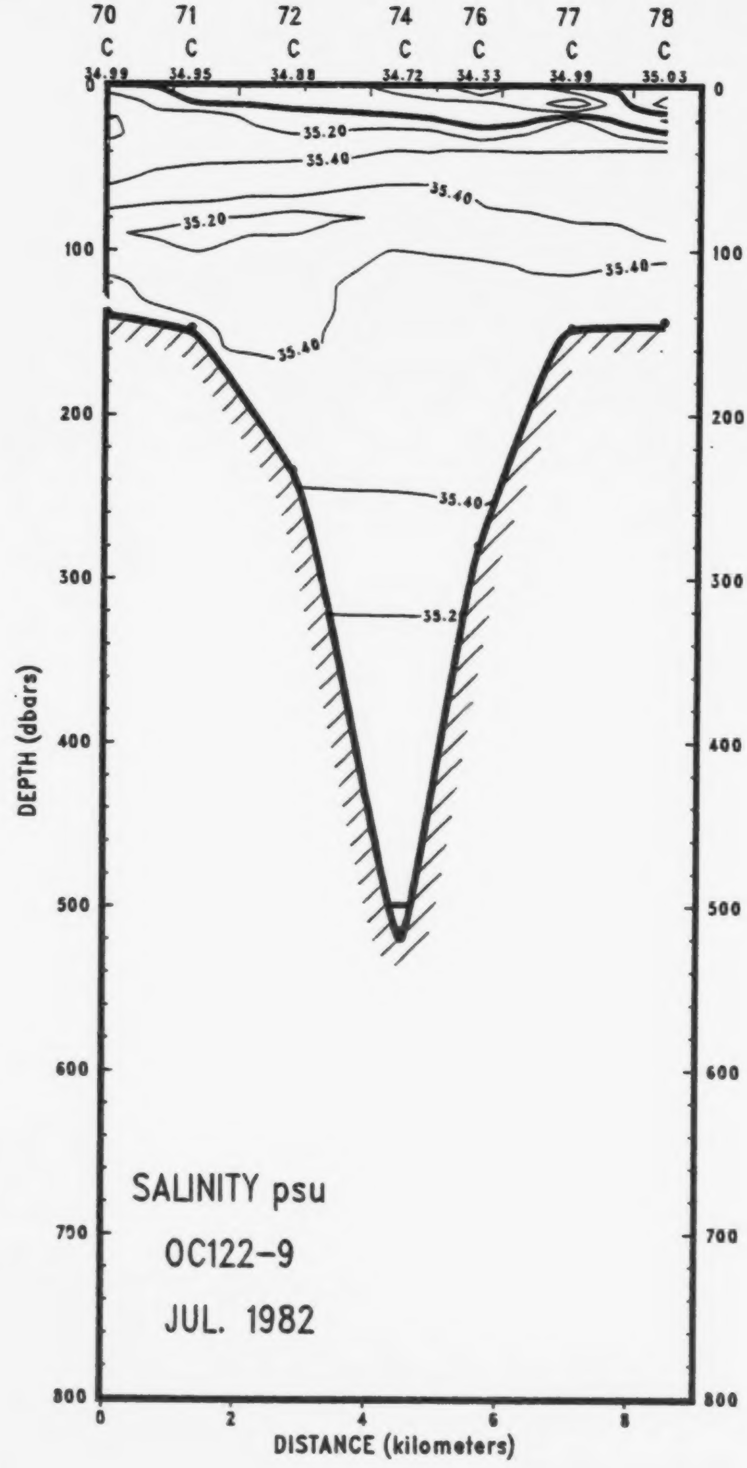

67
62
64
65
66
C
C
C
C
C
35.06
35.14
35.10
35.00
34.76
35.40
35.40
35.40
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
SALINITY psu
OC122-8
JUL. 1982

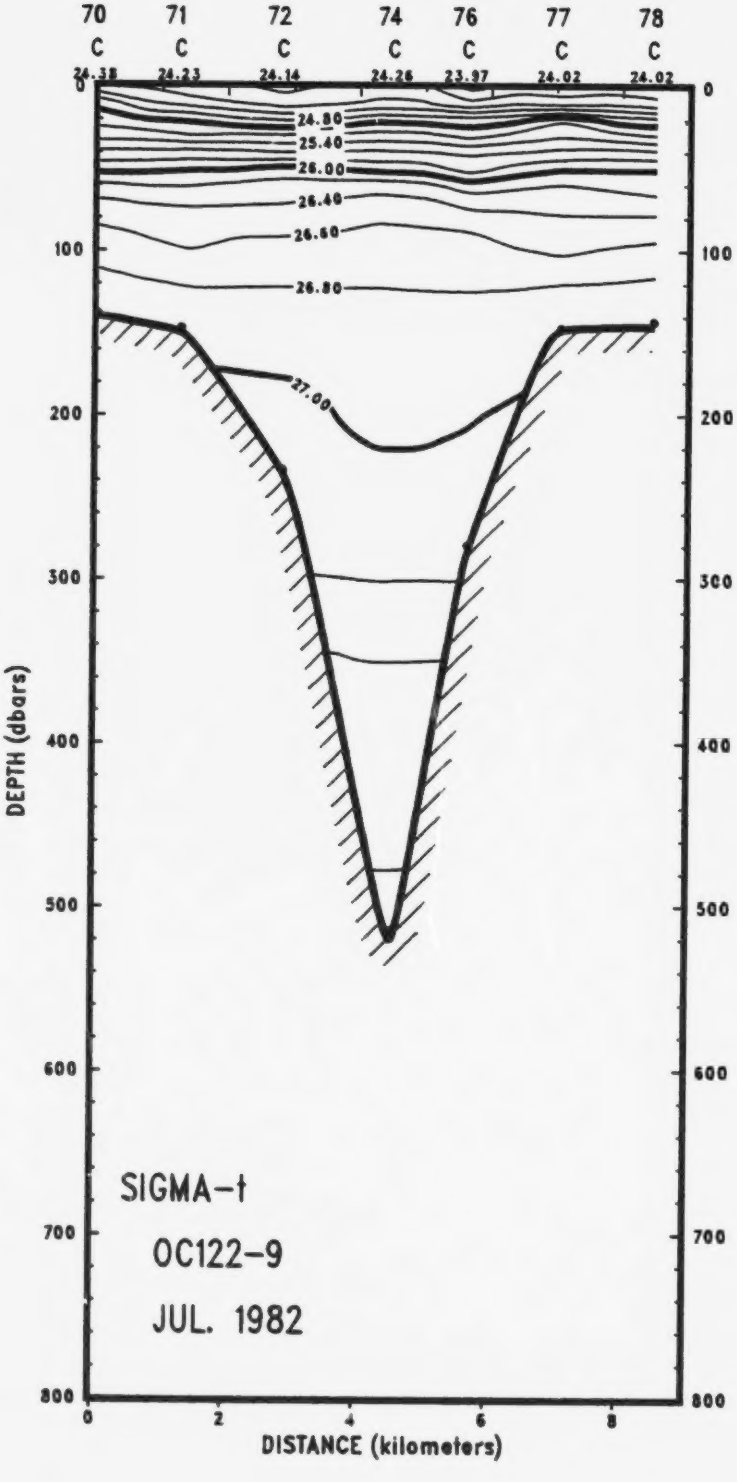

67
62
64
65
66
C
24.27
24.28
24.28
24.27
24.18
25.00
25.40
26.00
26.40
26.60
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
2
4
6
DISTANCE (kilometers)
SIGMA-t
OC122-8
JUL. 1982


67
62
64
65
66
C
C
C
C
C
5.06
5.04
4.97
4.96
5.06
5.40
5.20
4.80
4.60
4.40
4.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
OXYGEN ml/l
OC122-8
JUL. 1982

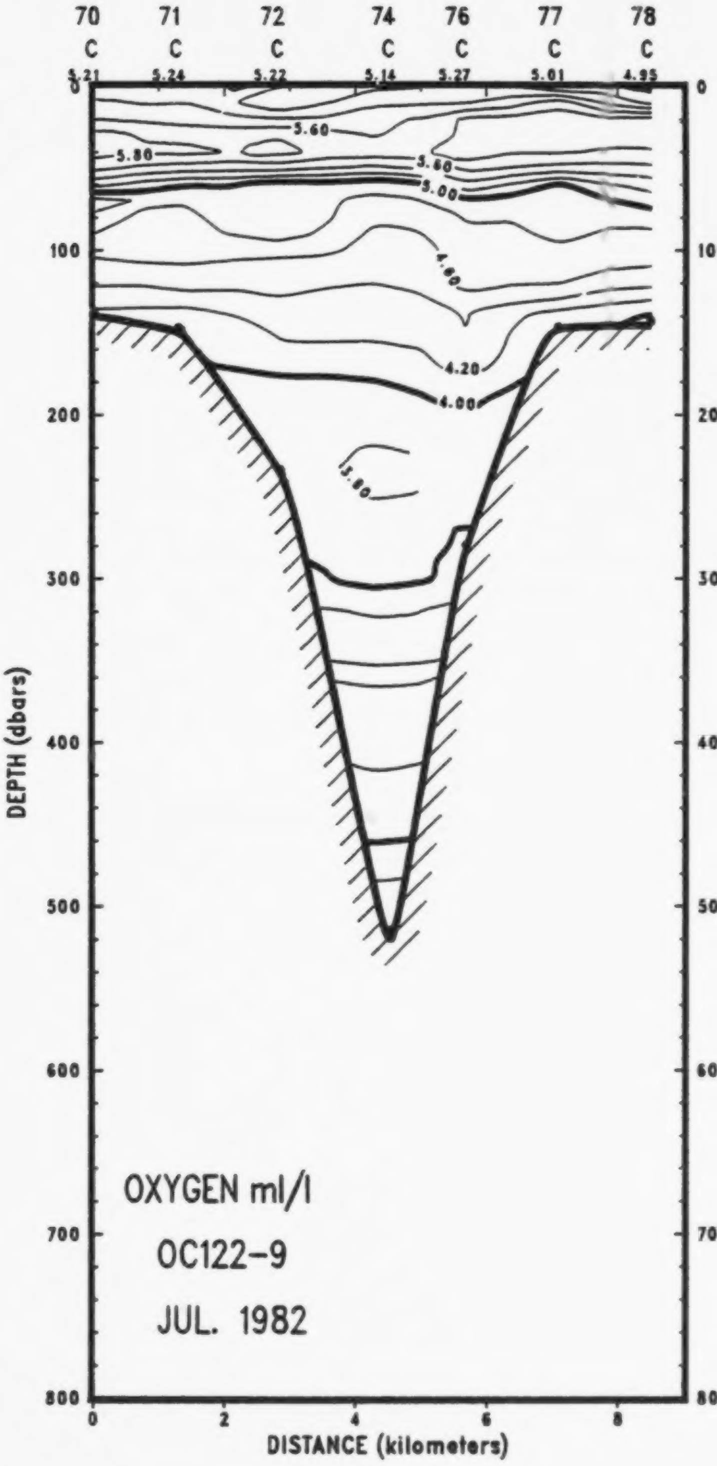

67
62
64
65
66
C
C
C
C
C
0.34
0.19
0.20
0.21
0.23
0.25
0.25
0.15
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
2
4
6
DISTANCE (kilometers)
ATN. COEFF m⁻¹
OC122-8
JUL. 1982

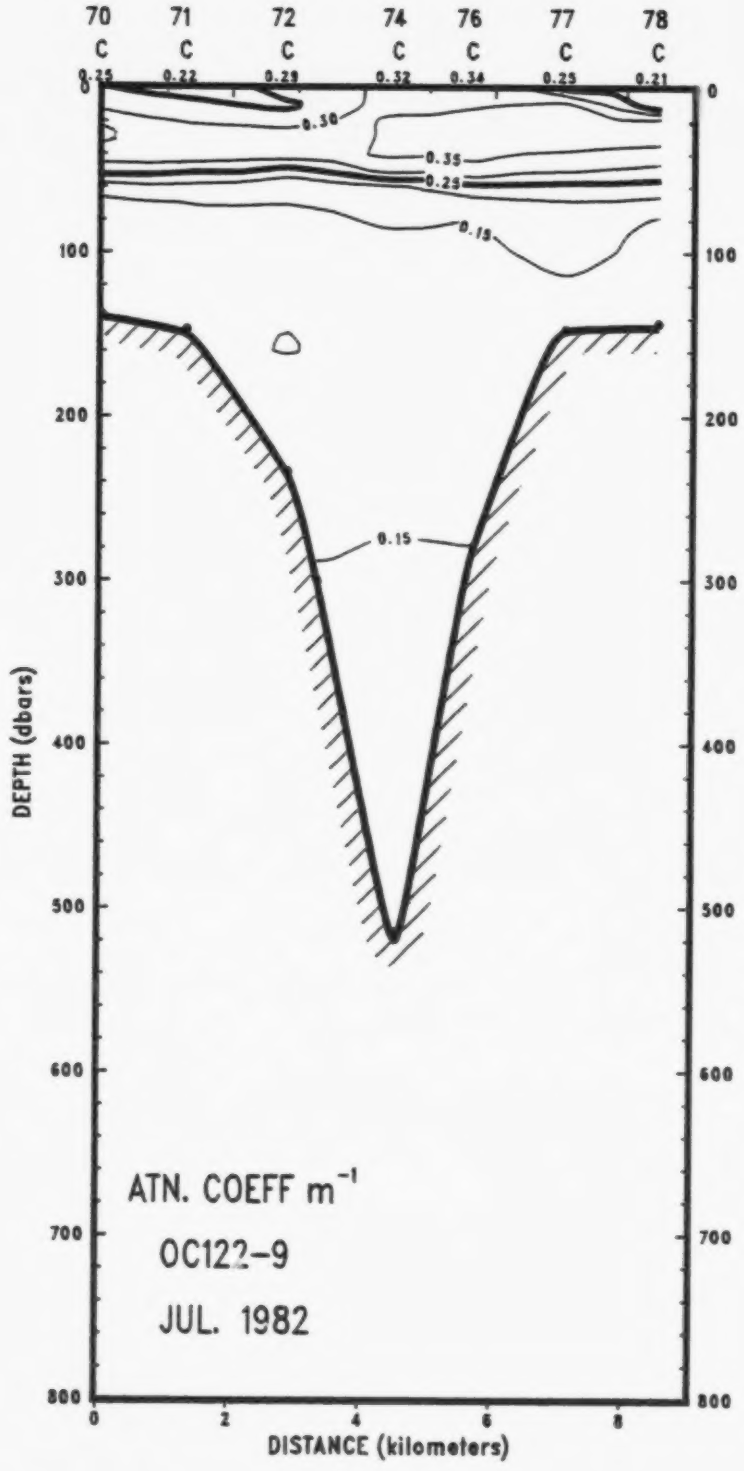

70
71
72
73
74
75
76
77
78
C
C
C
X
C
X
C
C
C
21.38
21.85
21.98
21.9
21.0
21.06
22.65
22.78
19.00
17.00
15.00
13.00
12.00
11.00
9.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
8
TEMPERATURE °C
OC122-9
JUL. 1982

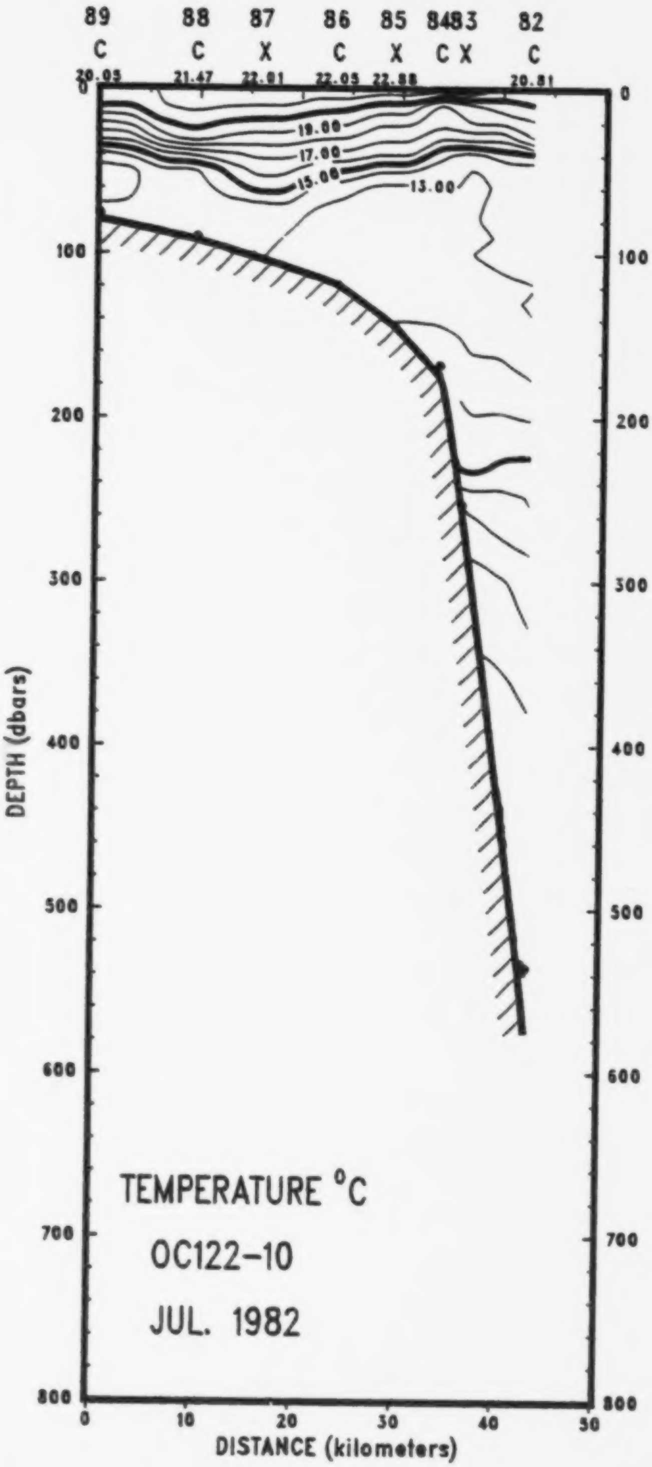

70
71
72
74
76
77
78
C
C
C
C
C
C
C
34.99
34.95
34.88
34.72
34.33
34.99
35.03
35.20
35.40
35.40
35.20
35.40
35.40
35.40
35.2
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
2
4
6
8
DISTANCE (kilometers)
SALINITY psu
OC122-9
JUL. 1982

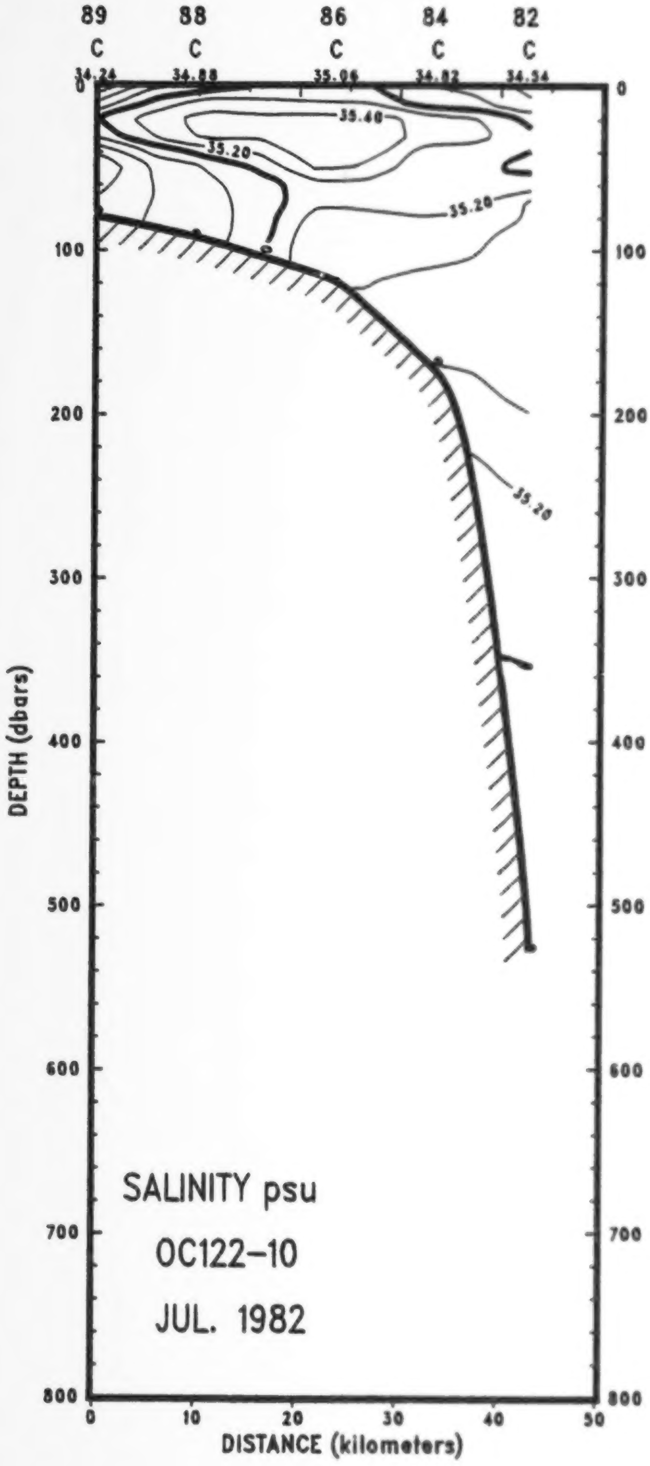


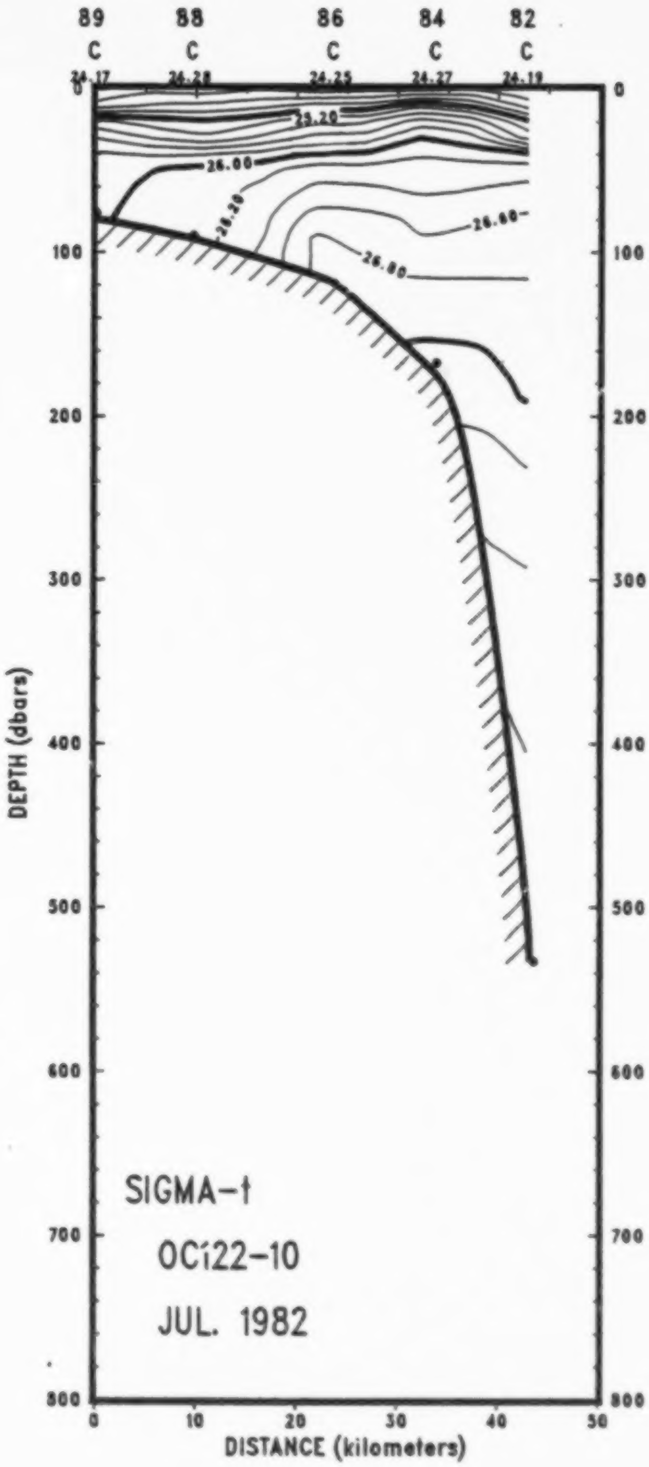
SIGMA-t
OC122-9
JUL. 1982

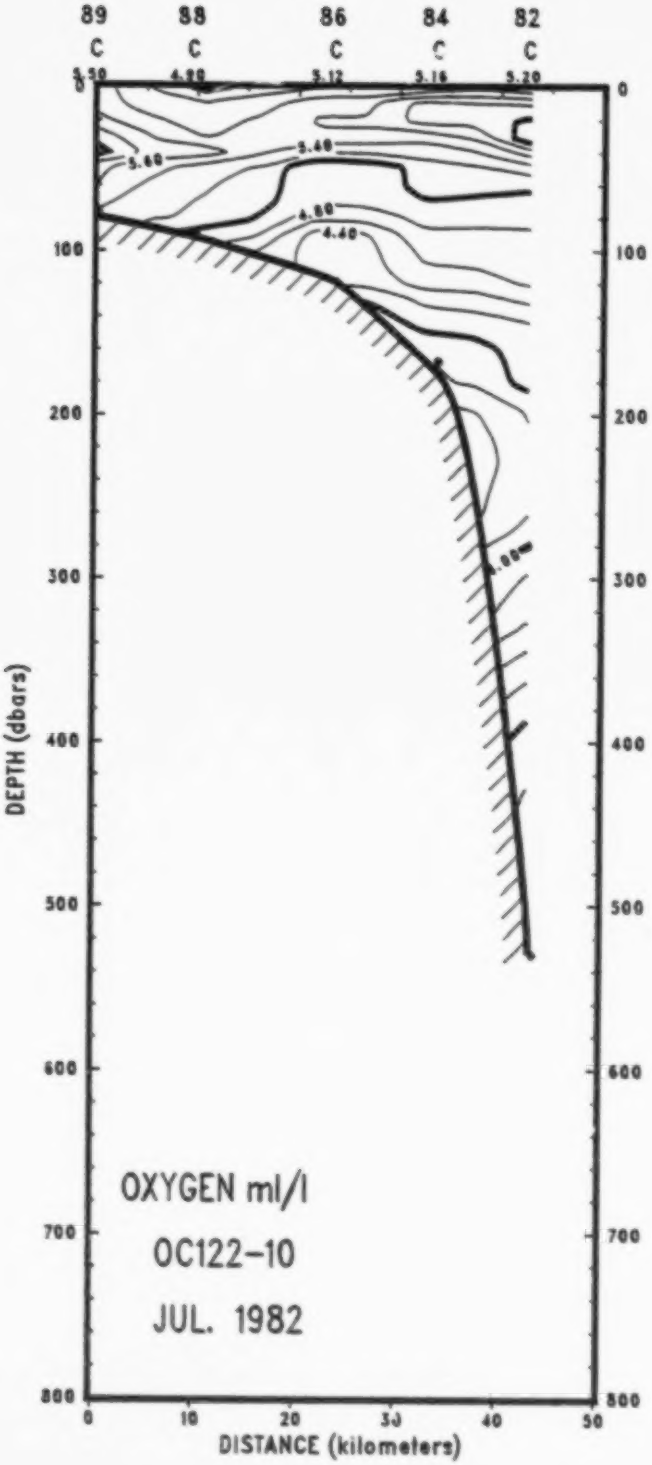

70
71
72
74
76
77
78
C
C
C
C
C
C
C
5.21
5.24
5.22
5.14
5.27
5.01
4.95
5.60
5.80
5.60
5.00
4.60
4.20
4.00
3.80
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
2
4
6
8
OXYGEN ml/l
OC122-9
JUL. 1982

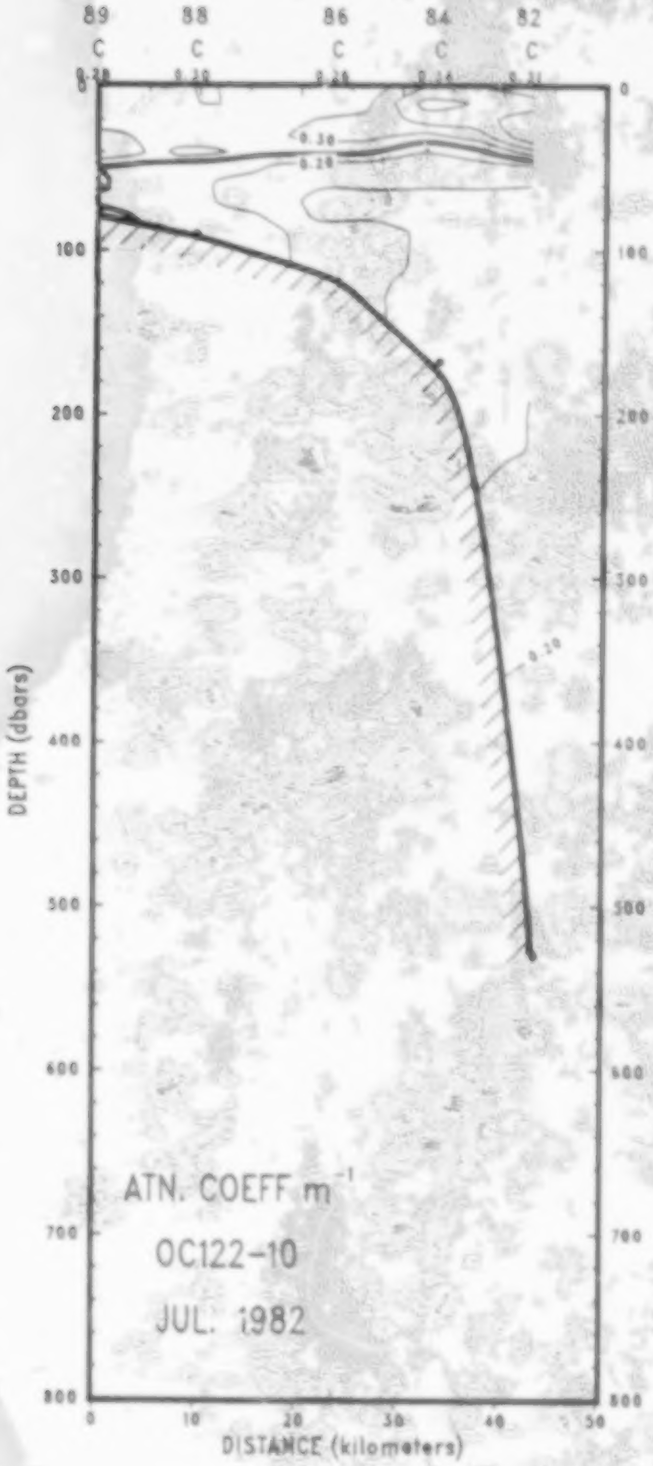

70
71
72
74
76
77
78
C
C
C
C
C
C
C
0.25
0.22
0.29
0.32
0.34
0.25
0.21
0.30
0.35
0.25
0.15
0.15
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
2
4
6
8
DISTANCE (kilometers)
ATN. COEFF m⁻¹
OC122-9
JUL. 1982


89
88
87
86
85
84
83
82
C
C
X
C
X
C X
C
20.05
21.47
22.81
22.05
22.88
20.81
19.00
17.00
15.00
13.00
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
10
20
30
40
50
DISTANCE (kilometers)
TEMPERATURE °C
OC122-10
JUL. 1982


89 C 34.24
88 C 34.88
86 C 35.06
84 C 34.82
82 C 34.34
35.40
35.20
35.20
35.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
0
10
20
30
40
50
SALINITY psu
OC122-10
JUL. 1982

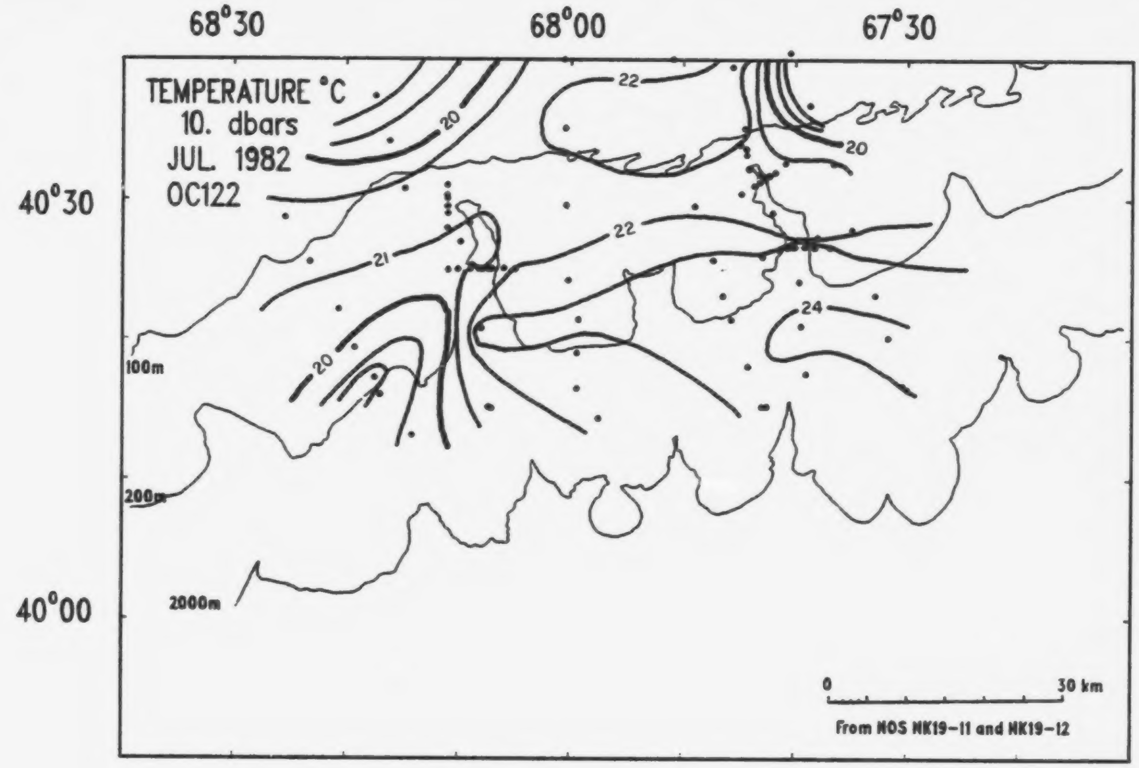

89
88
86
84
82
C
C
C
C
C
24.17
24.28
24.25
24.27
24.19
25.20
26.00
26.20
26.60
26.80
0
100
200
300
400
500
600
700
800
DEPTH (dbars)
0
10
20
30
40
50
DISTANCE (kilometers)
SIGMA-t
OCi22-10
JUL. 1982

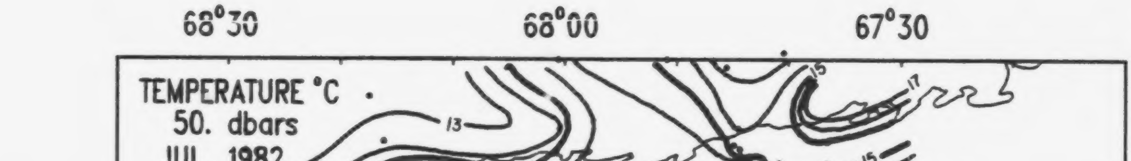

89
88
86
84
82
C
C
C
C
C
5.50
4.90
5.12
5.16
5.20
5.60
5.40
4.80
4.40
4.00
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
DISTANCE (kilometers)
10
20
30
40
50
OXYGEN ml/l
OC122-10
JUL. 1982

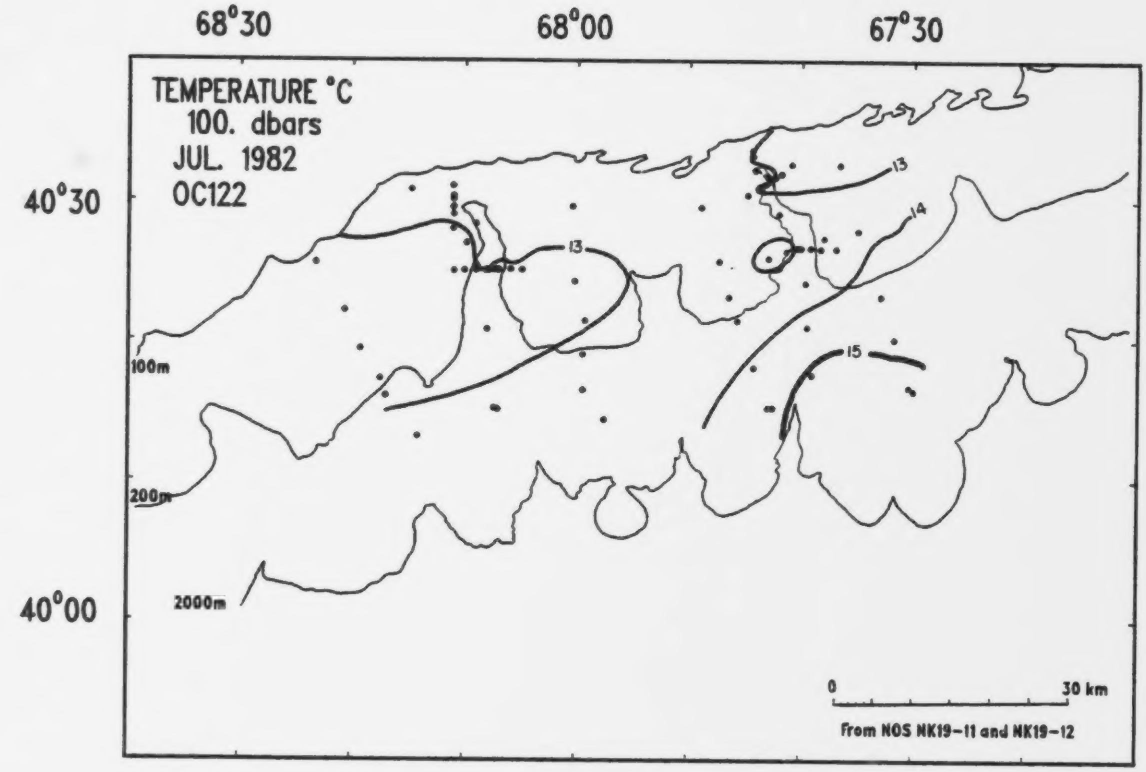

89
88
86
84
82
C
C
C
C
C
0.30
0.20
0.20
DEPTH (dbars)
0
100
200
300
400
500
600
700
800
0
10
20
30
40
50
DISTANCE (kilometers)
ATN. COEFF m⁻¹
OC122-10
JUL. 1982

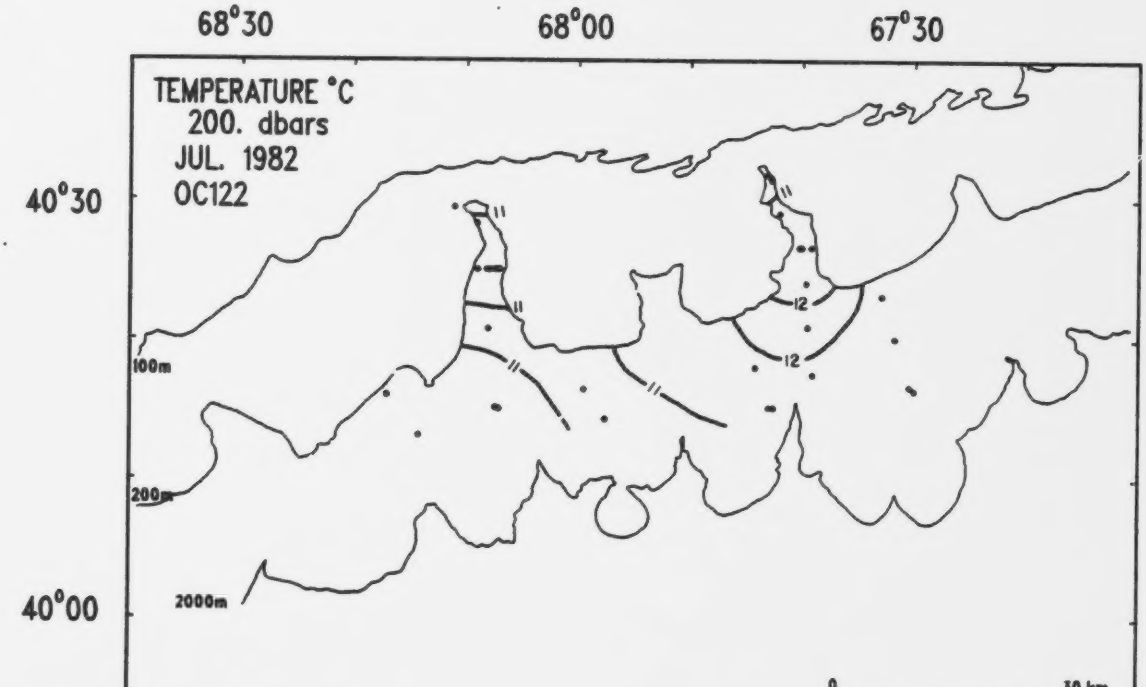
## Horizontal sections

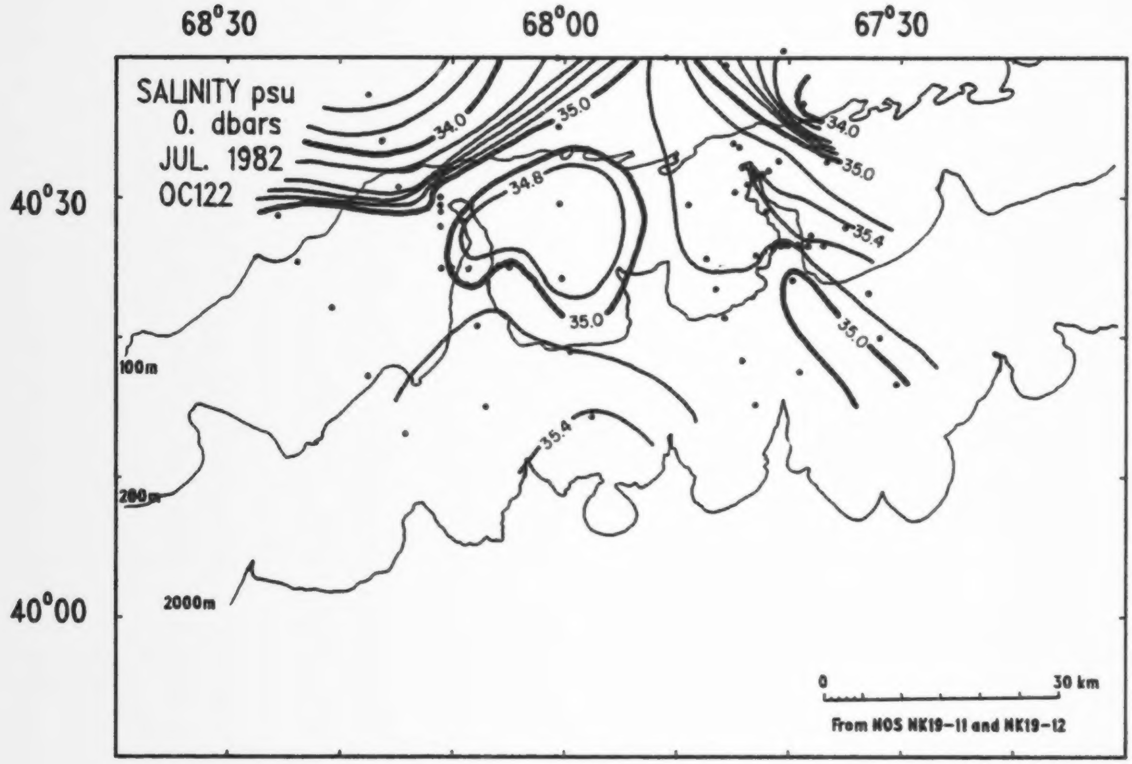
Horizontal sections were constructed on the 10-, 50-, 100-, and 200-dbar pressure surfaces for temperature, salinity, density, oxygen, and light attenuation. Surface values of phosphate, silicate, nitrate and ammonia were also contoured. Horizontal sections were made for the large region which includes Oceanographer and Lydonia Canyon and the smaller region centered around Lydonia Canyon. Dots indicate the location of stations that were used in contouring the section. All sections were contoured by hand due to the sparse data. Figures 14 to 18 encompass Oceanographer, Gilbert and Lydonia Canyons and figures 19 to 39 show an enlargement of the area around just Lydonia Canyon.

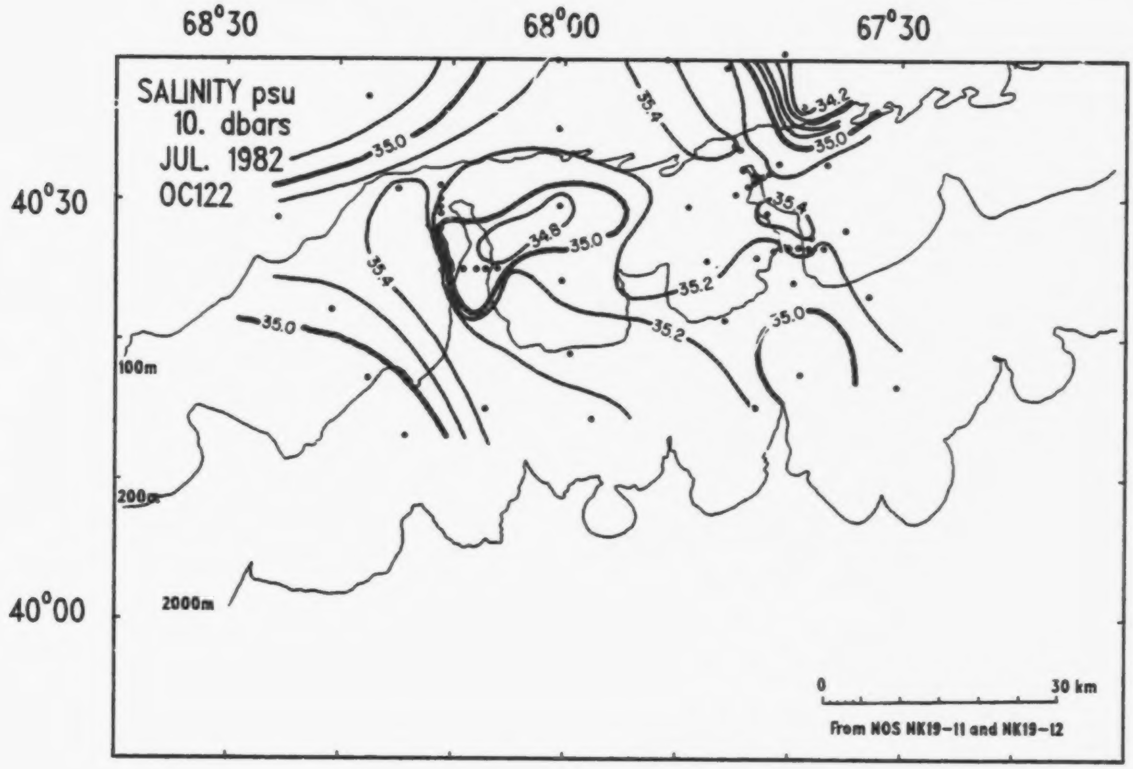

68°30
68°00
67°30
40°30
40°00
TEMPERATURE °C
10. dbars
JUL. 1982
OC122
22
20
20
22
21
24
20
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

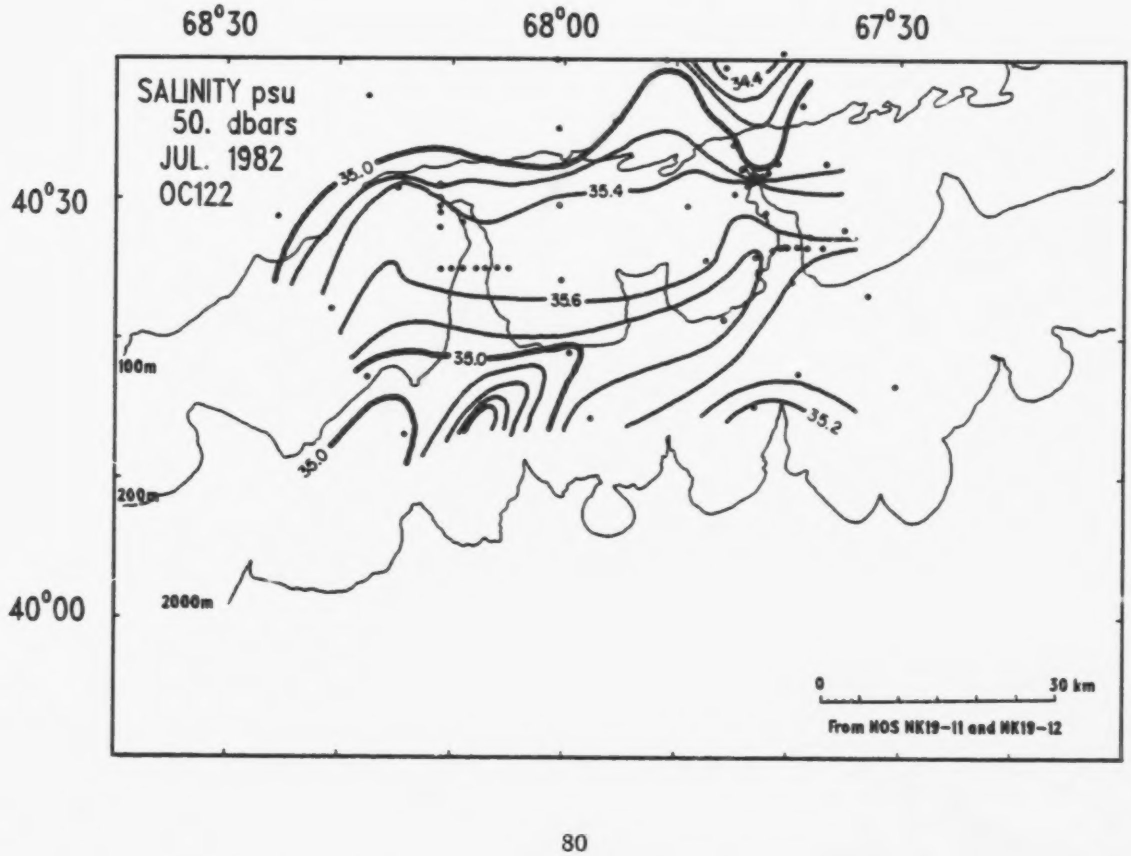

68°30
68°00
67°30
40°30
40°00
TEMPERATURE °C
50. dbars
JUL. 1982
OC122
13
16
17
15
17
15
16
15
16
13
15
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

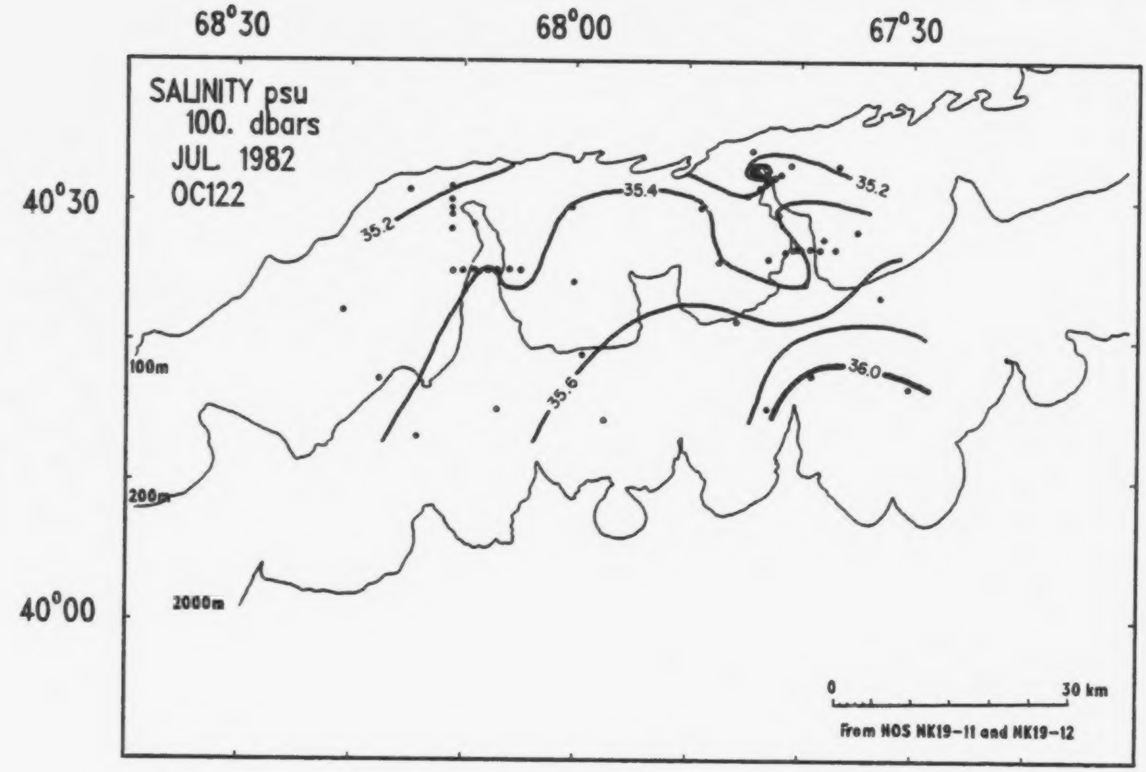

68°30
68°00
67°30
40°30
40°00
TEMPERATURE °C
100. dbars
JUL. 1982
OC122
13
13
14
15
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

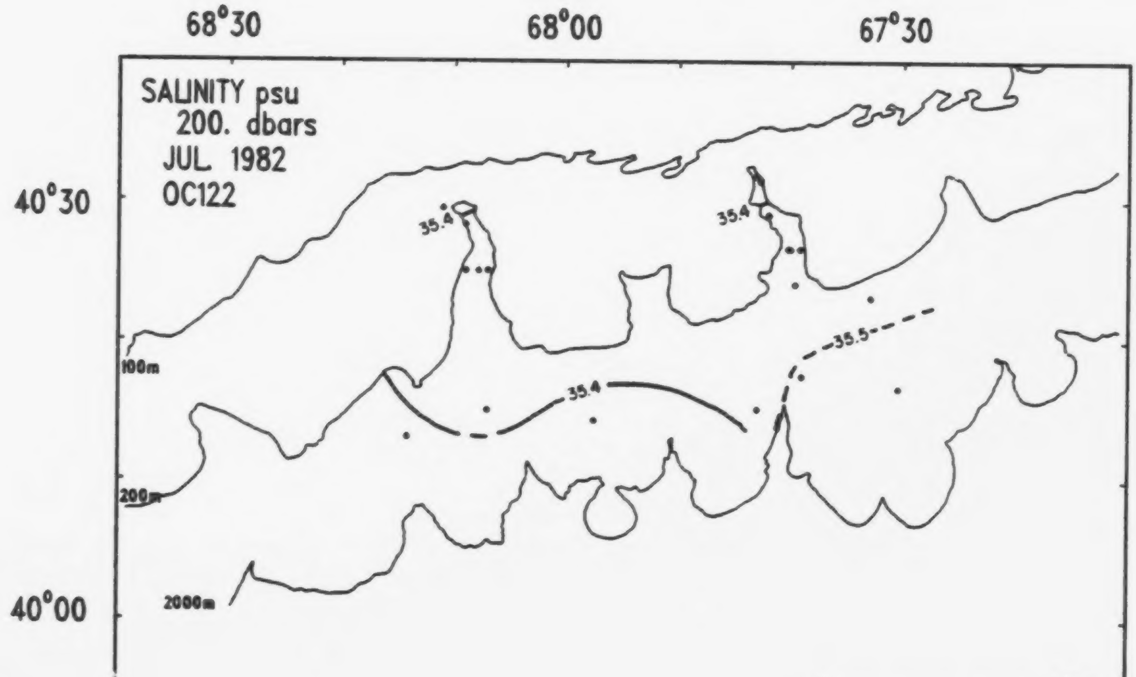

68°30
68°00
67°30
40°30
40°00
TEMPERATURE °C
200. dbars
JUL. 1982
OC122
11
11
11
11
11
11
12
12
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

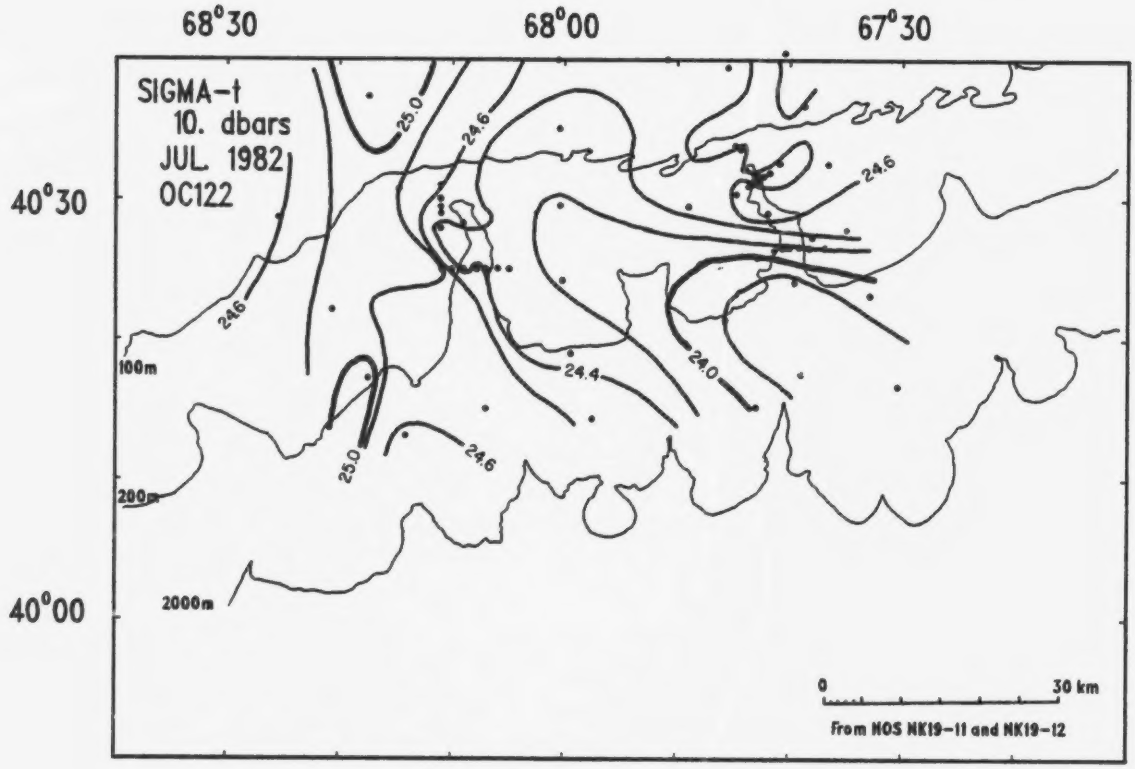

68°30
68°00
67°30
40°30
40°00
SALINITY psu
0. dbars
JUL. 1982
OC122
34.0
35.0
34.8
35.0
34.0
35.0
35.4
35.0
35.4
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

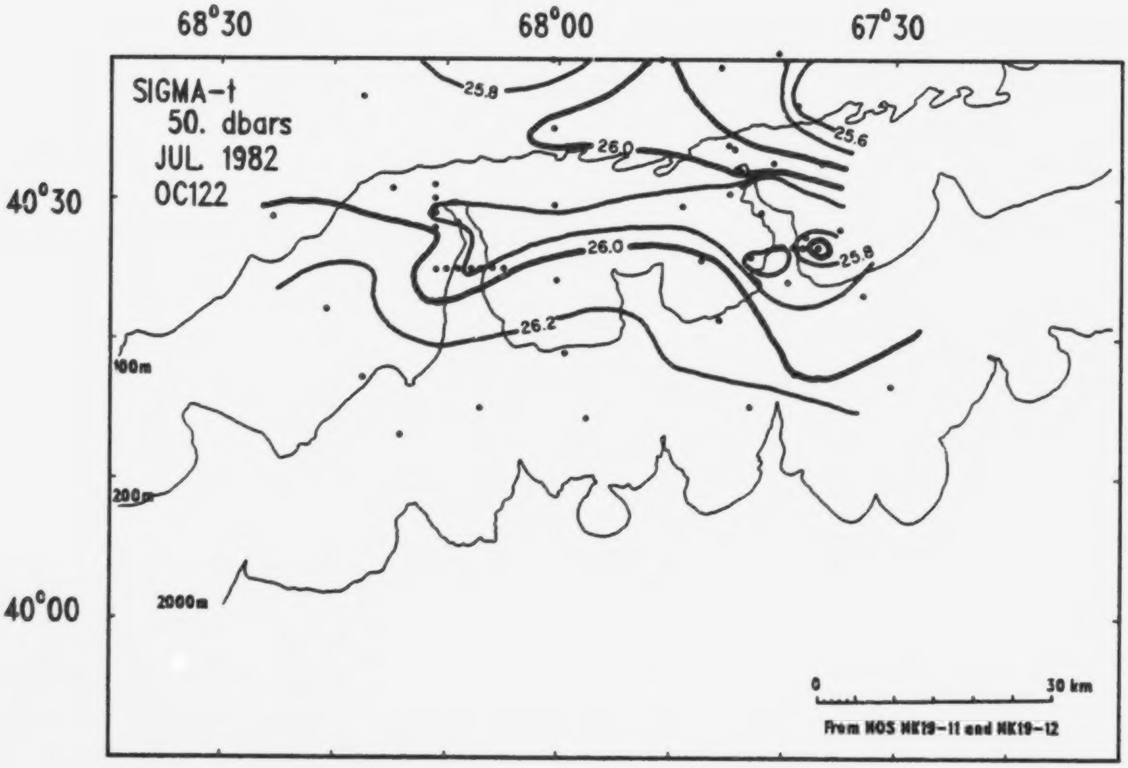

68°30
68°00
67°30
40°30
40°00
SALINITY psu
10. dbars
JUL. 1982
OC122
35.0
35.4
34.8
35.2
34.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

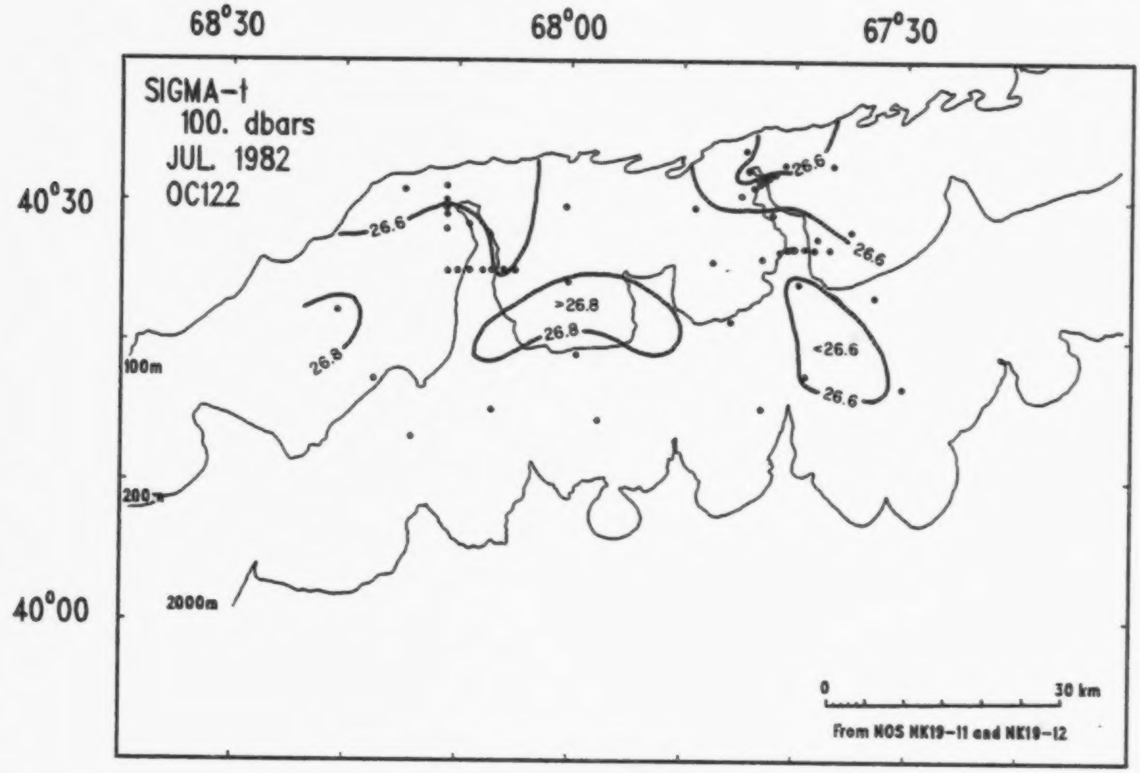

68°30
68°00
67°30
40°30
40°00
SALINITY psu
50. dbars
JUL. 1982
OC122
34.4
35.0
35.4
35.6
35.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

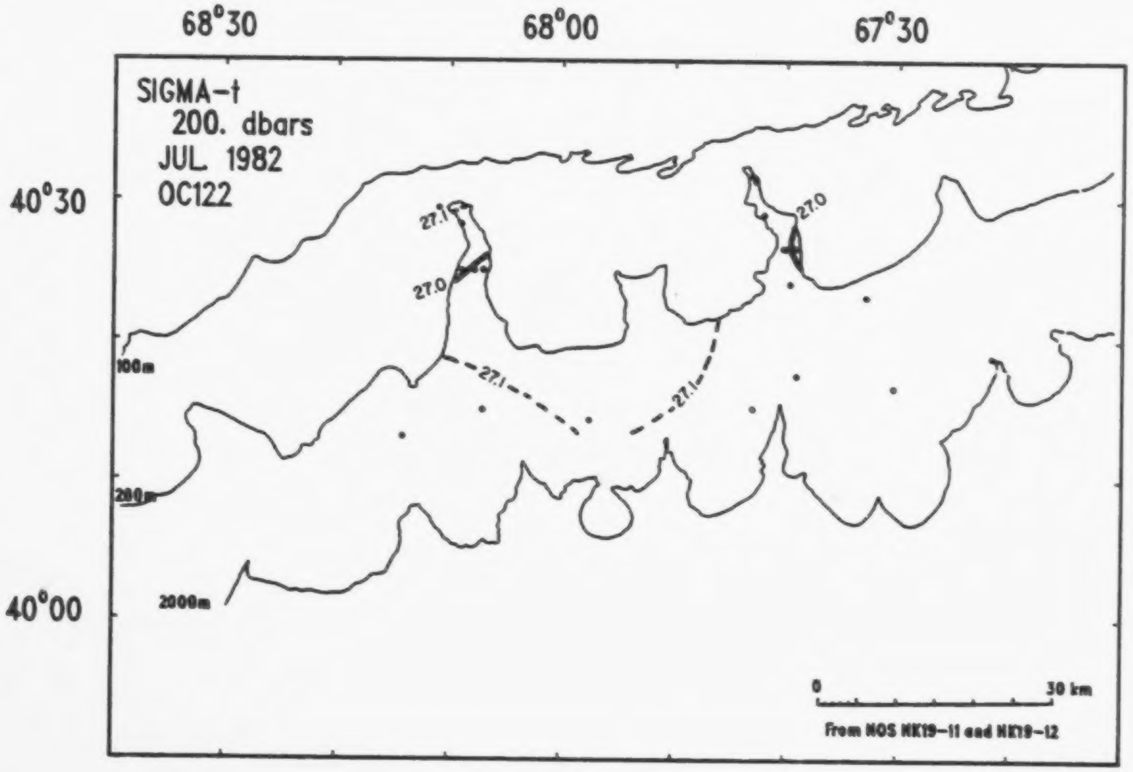

68°30
68°00
67°30
SALINITY psu
100. dbars
JUL. 1982
OC122
40°30
40°00
35.2
35.4
35.2
35.6
36.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

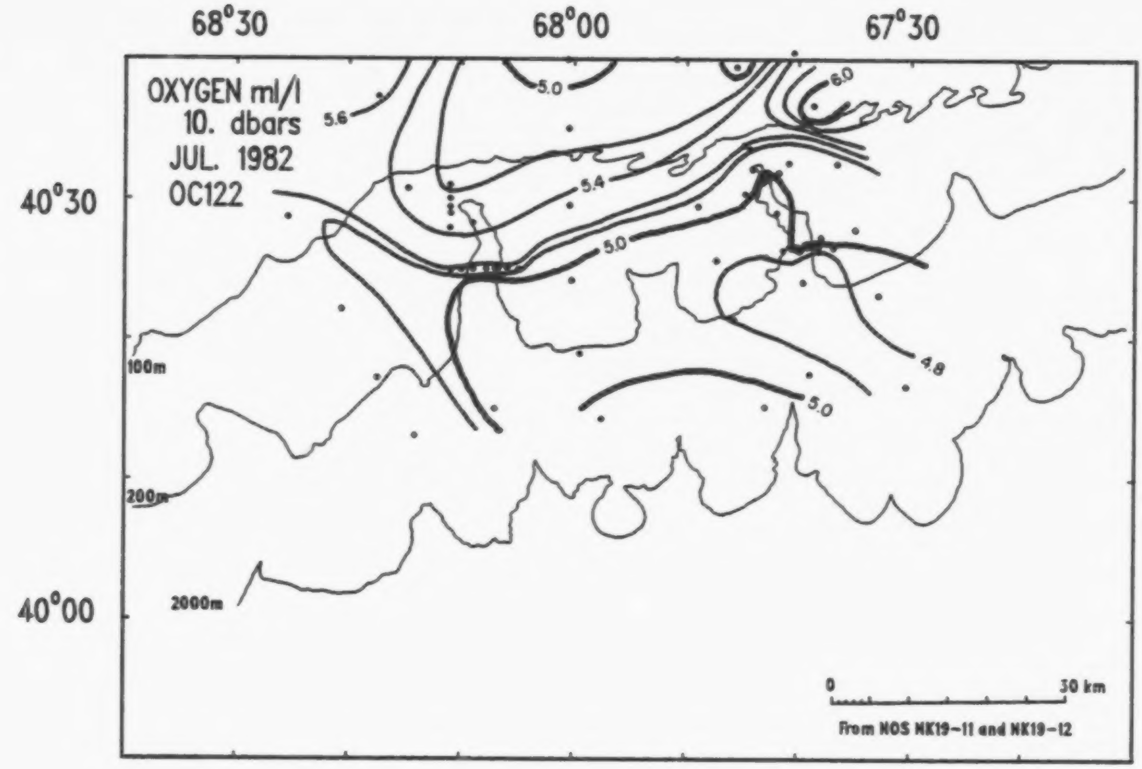

68°30
68°00
67°30
SALINITY psu
200. dbars
JUL. 1982
OC122
40°30
40°00
35.4
35.4
35.5
35.4
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

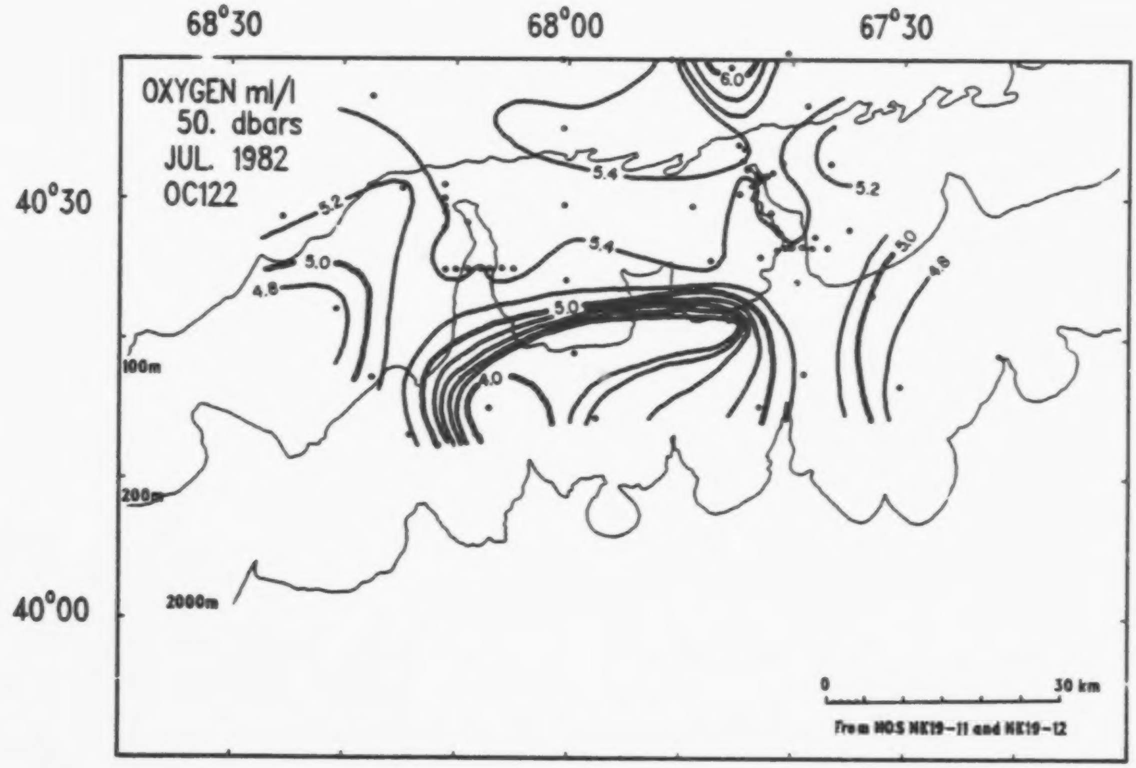

68°30
68°00
67°30
40°30
40°00
SIGMA-t
10. dbars
JUL. 1982
OC122
25.0
24.6
24.6
24.4
24.0
24.6
25.0
24.6
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

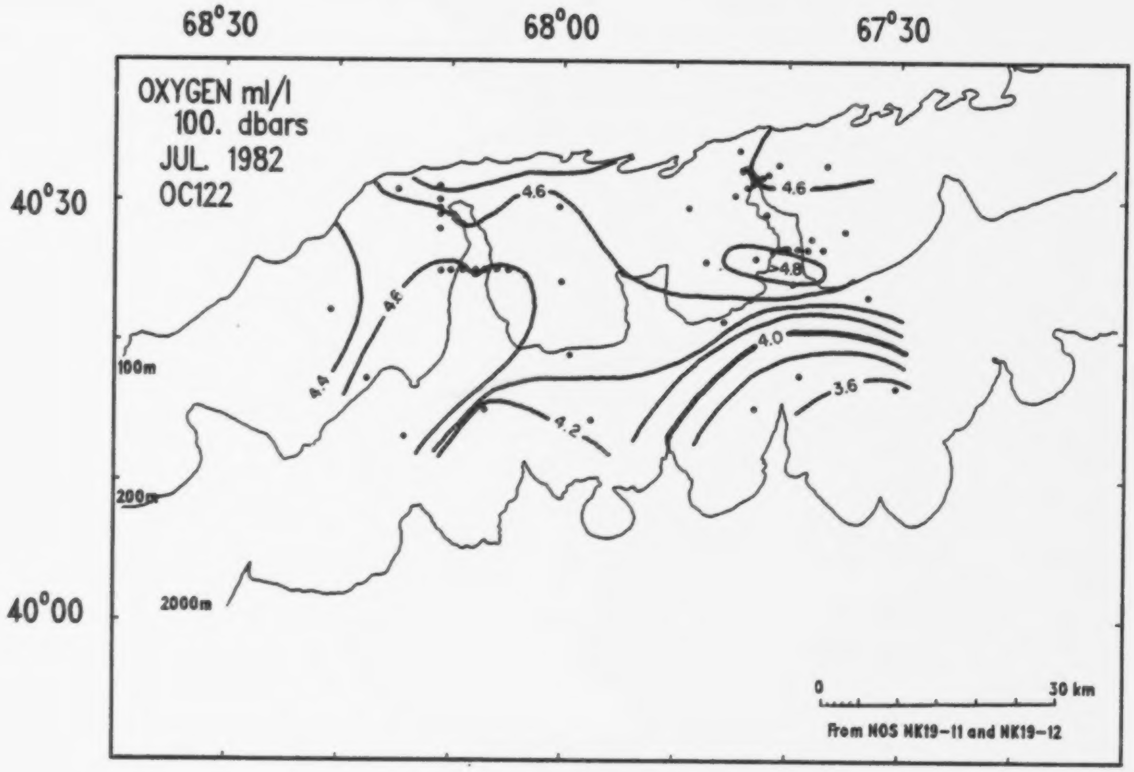

68°30
68°00
67°30
40°30
40°00
SIGMA-t
50. dbars
JUL. 1982
OC122
25.8
26.0
25.6
26.0
25.8
26.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

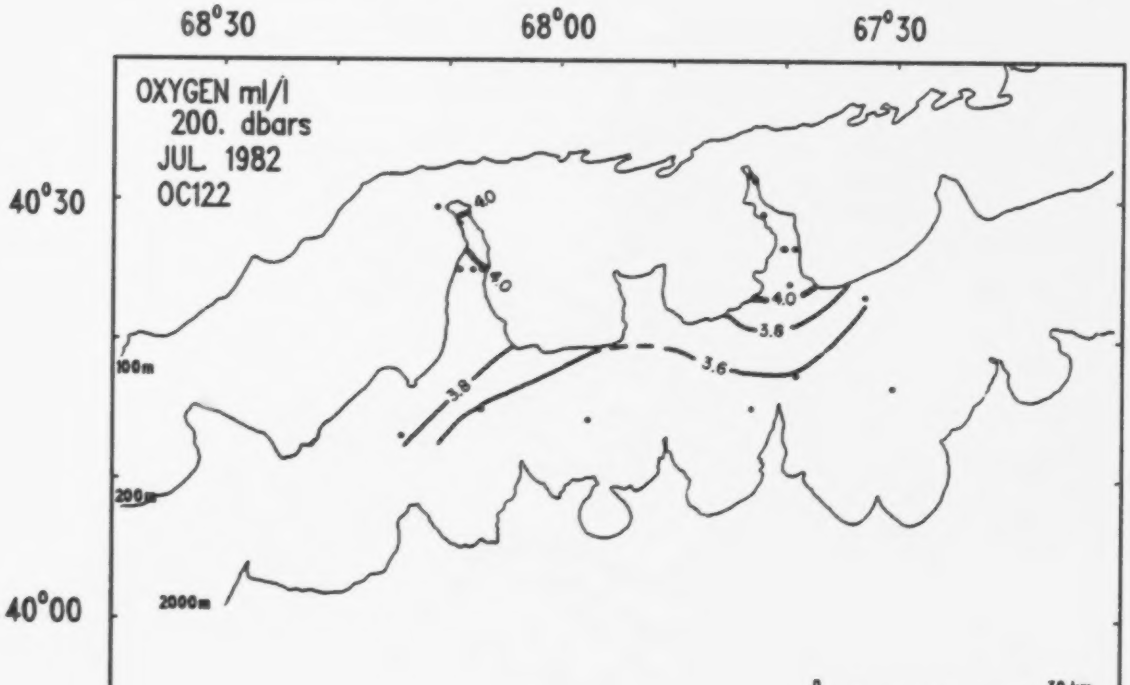

68°30
68°00
67°30
SIGMA-t
100. dbars
JUL. 1982
OC122
40°30
40°00
26.6
26.6
26.6
26.8
>26.8
26.8
<26.6
26.6
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

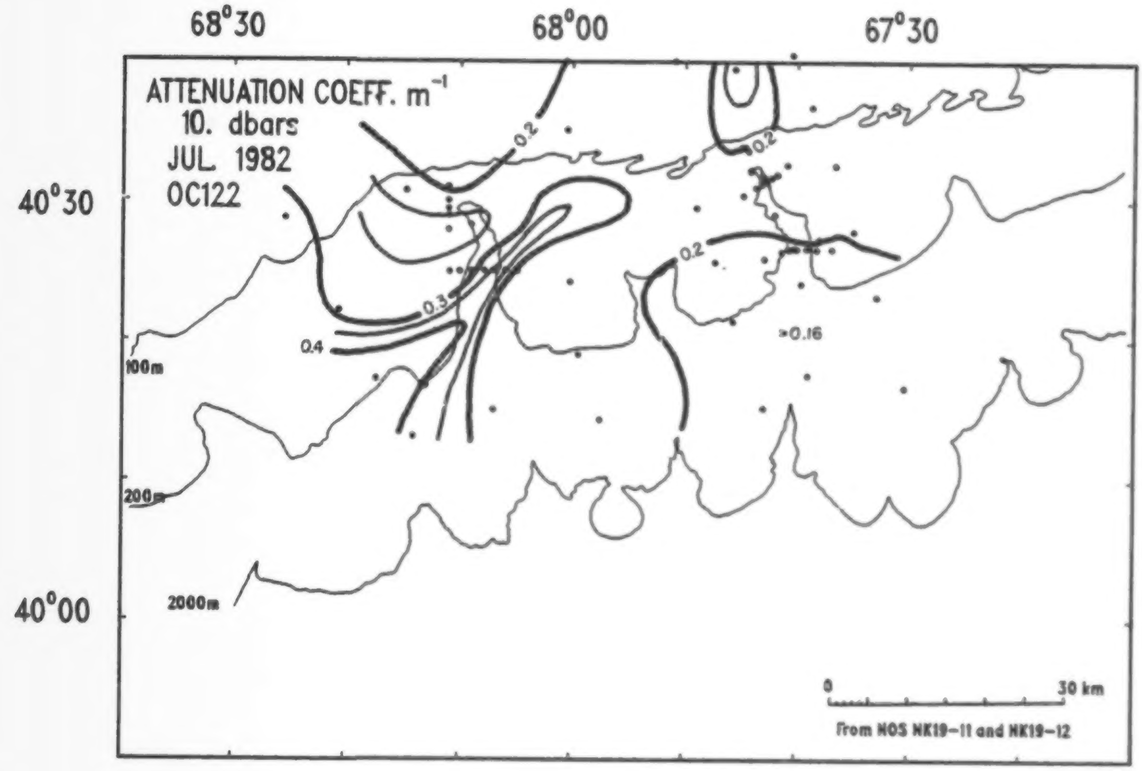

68°30
68°00
67°30
SIGMA-t
200. dbars
JUL. 1982
OC122
40°30
40°00
27.1
27.0
27.0
27.1
27.1
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12


68°30
68°00
67°30
40°30
40°00
OXYGEN ml/l
10. dbars
JUL. 1982
OC122
5.0
5.6
6.0
5.4
5.0
4.8
5.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

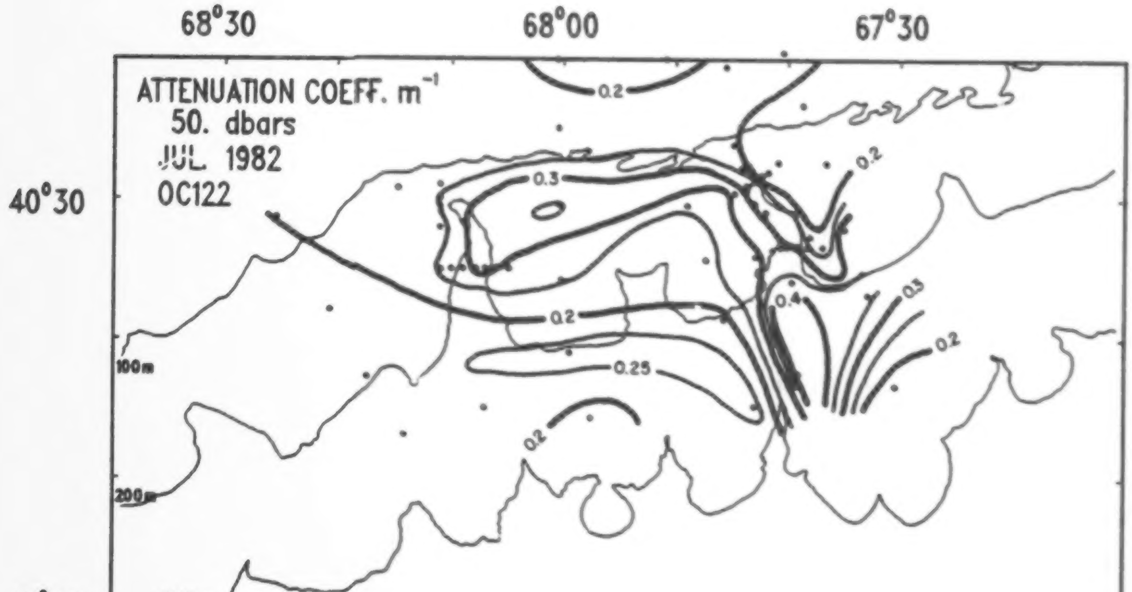

68°30
68°00
67°30
40°30
40°00
OXYGEN ml/l
50. dbars
JUL. 1982
OC122
6.0
5.4
5.2
5.2
5.0
4.8
5.4
5.0
5.0
4.8
4.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12


68°30
68°00
67°30
OXYGEN ml/l
100. dbars
JUL. 1982
OC122
40°30
40°00
100m
200m
2000m
4.6
4.6
4.8
4.6
4.4
4.0
4.2
3.6
0
30 km
From NOS NK19-11 and NK19-12

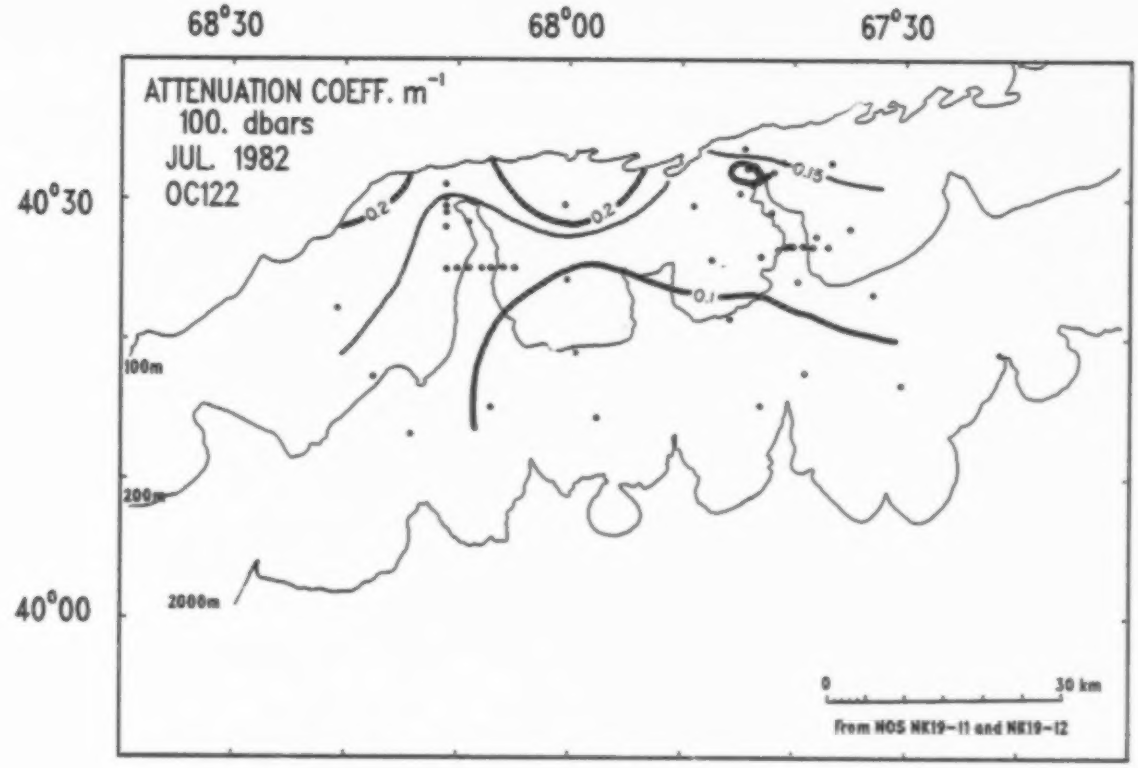

68°30
68°00
67°30
OXYGEN ml/l
200. dbars
JUL. 1982
OC122
40°30
40°00
100m
200m
2000m
4.0
4.0
4.0
3.8
3.8
3.6
0
30 km
From NOS NK19-11 and NK19-12

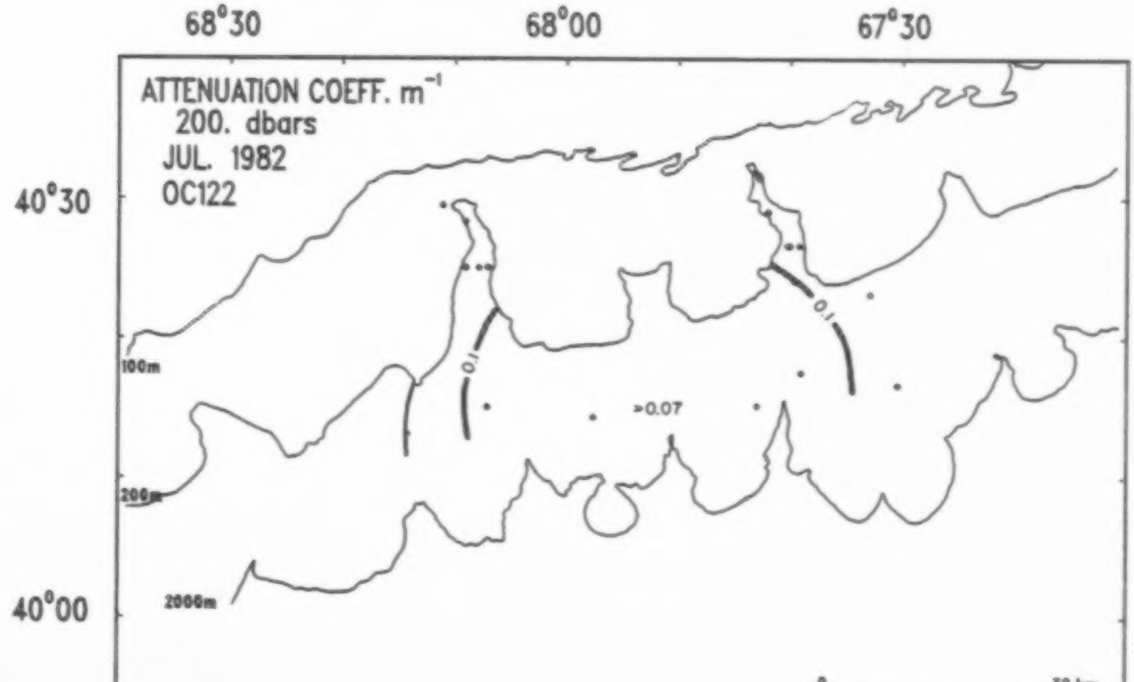


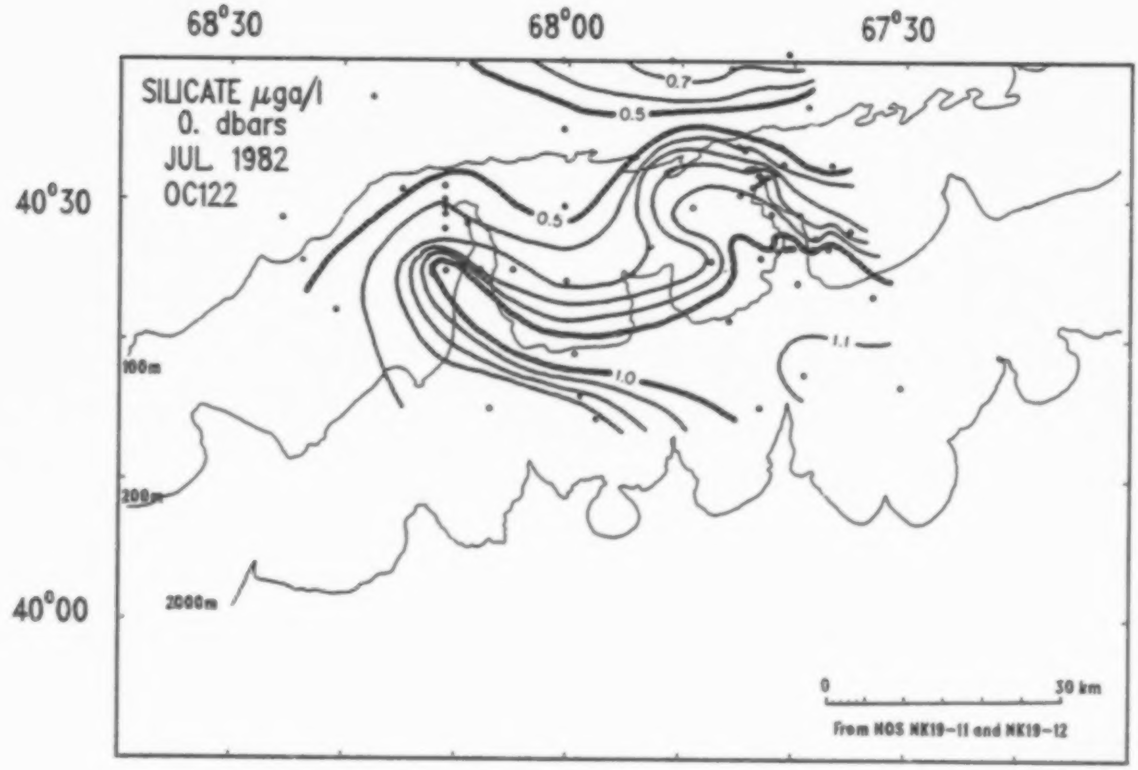
68°30
68°00
67°30
40°30
40°00
ATTENUATION COEFF. $m^{-1}$
10. dbars
JUL. 1982
OC122
0.2
0.2
0.2
0.3
0.4
>0.16
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

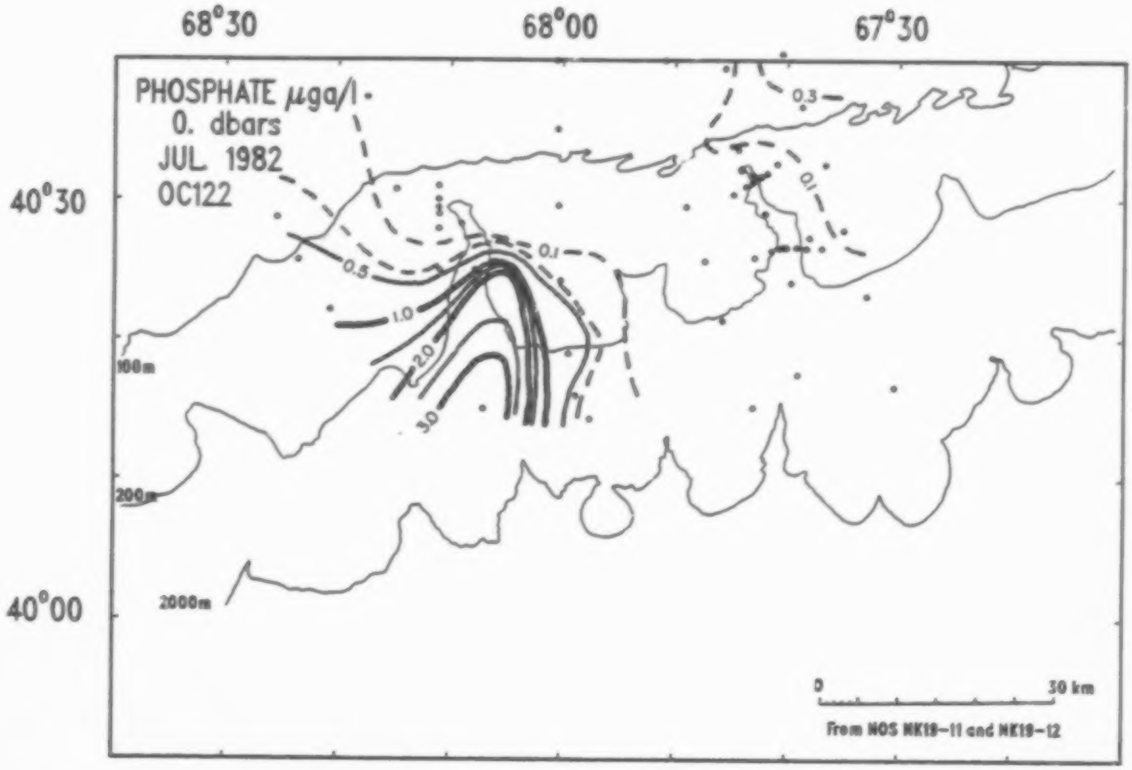


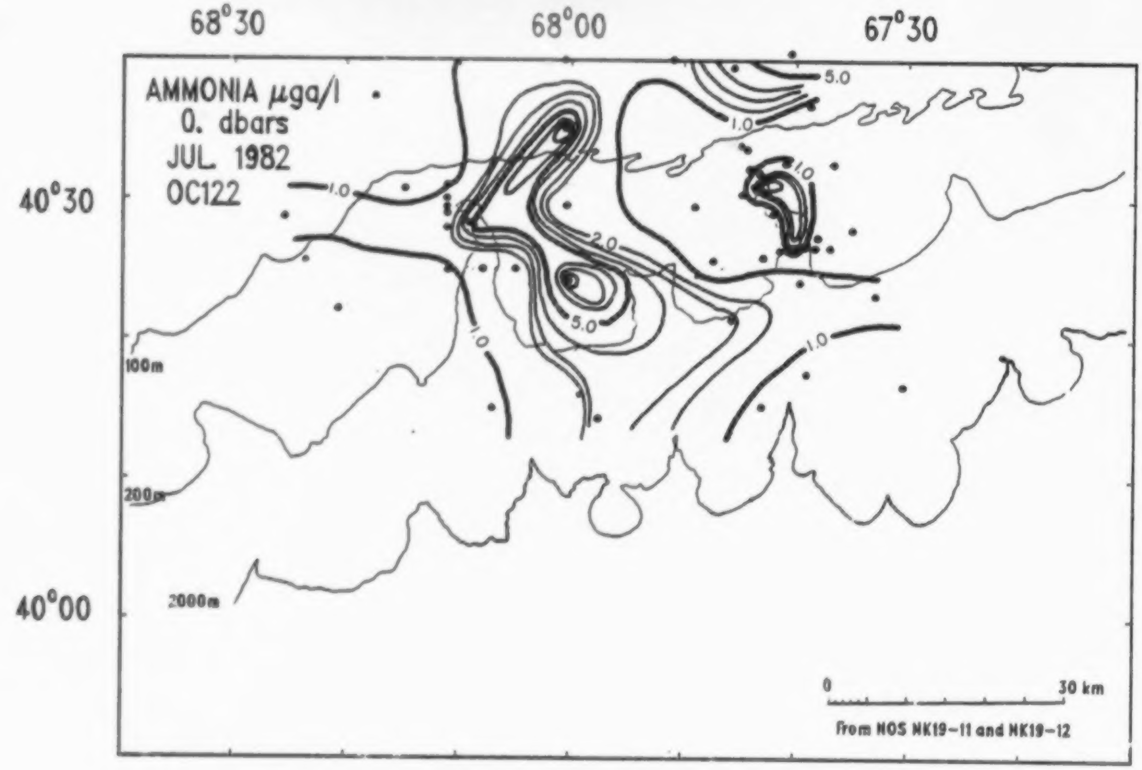
68°30
68°00
67°30
40°30
40°00
ATTENUATION COEFF. $m^{-1}$
50. dbars
JUL. 1982
OC122
0.2
0.3
0.2
0.2
0.4
0.3
0.2
0.25
0.2
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

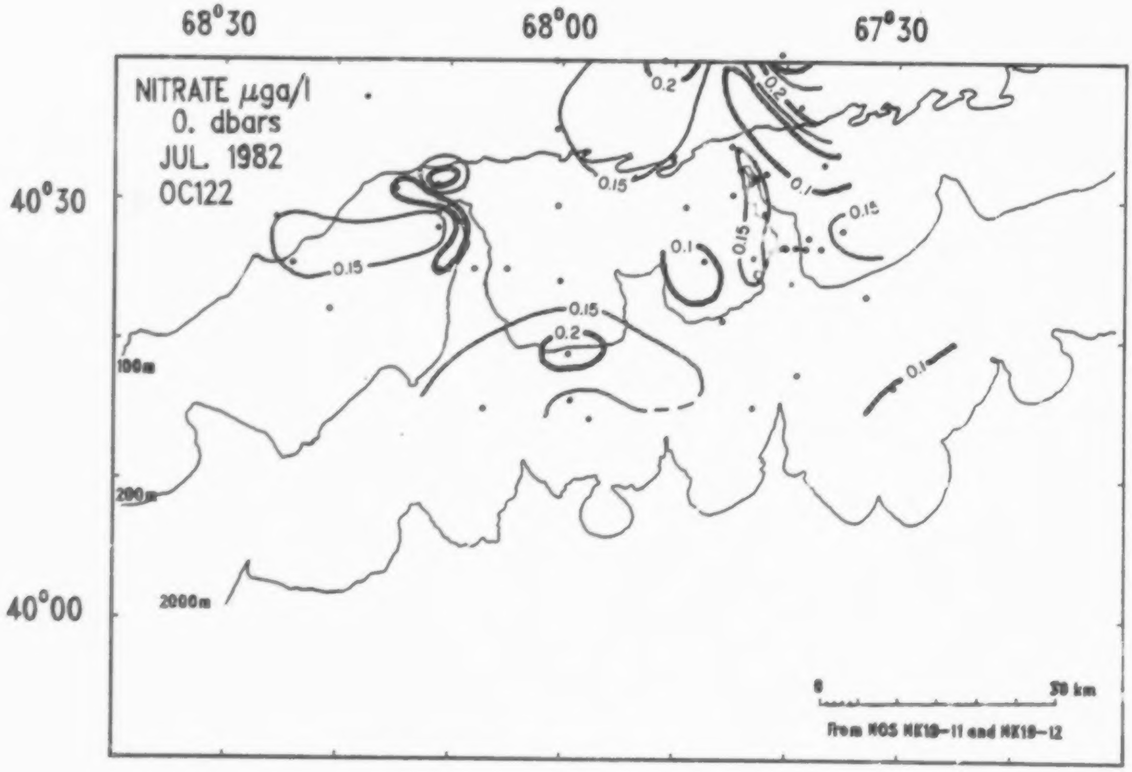

68°30
68°00
67°30
40°30
40°00
ATTENUATION COEFF. m⁻¹
100. dbars
JUL. 1982
OC122
0.2
0.2
0.15
0.1
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

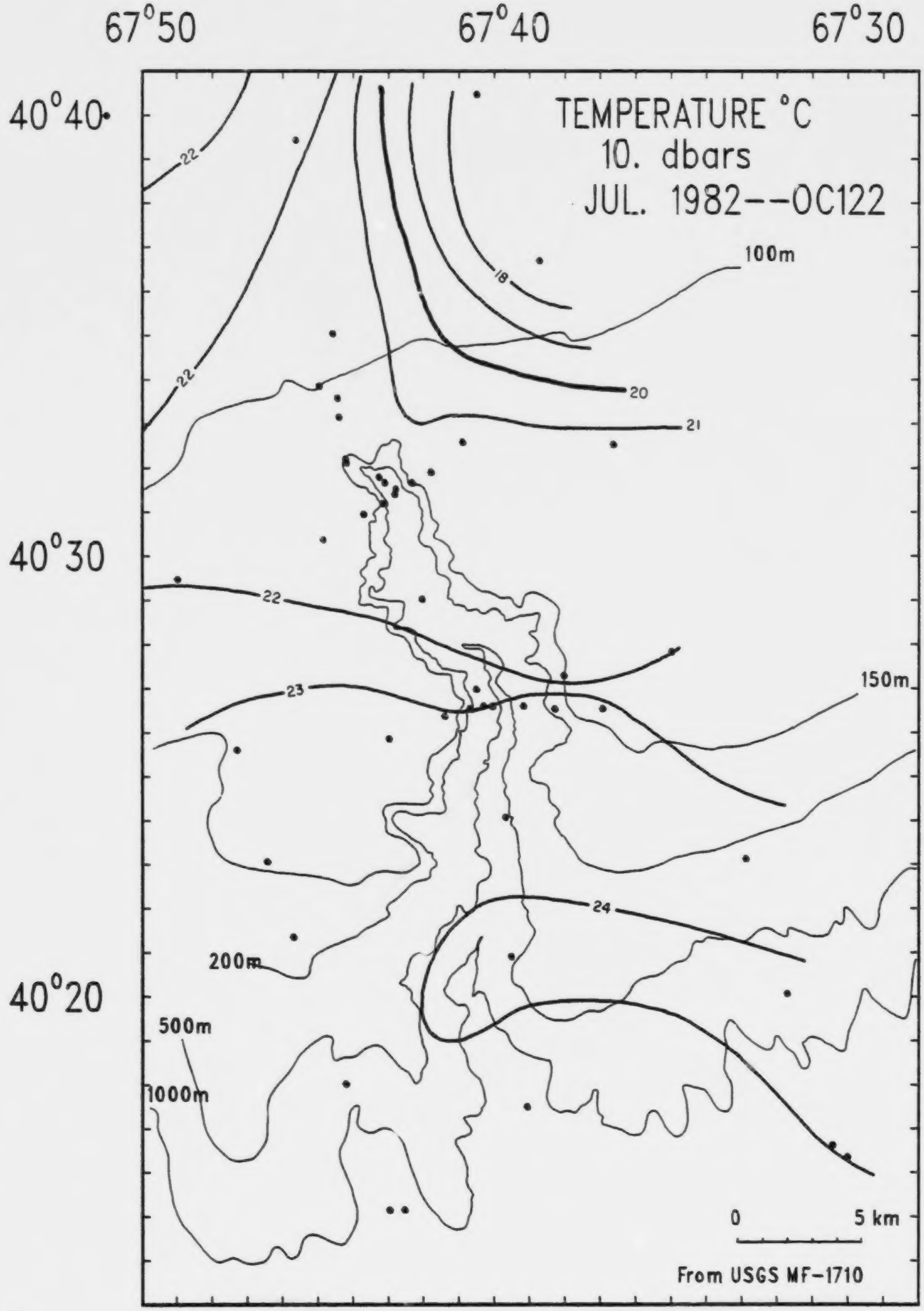

68°30
68°00
67°30
40°30
40°00
ATTENUATION COEFF. m⁻¹
200. dbars
JUL. 1982
OC122
0.1
0.1
>0.07
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12


68°30
68°00
67°30
40°30
40°00
SILICATE μga/l
0. dbars
JUL. 1982
OC122
0.7
0.5
0.5
1.0
1.1
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

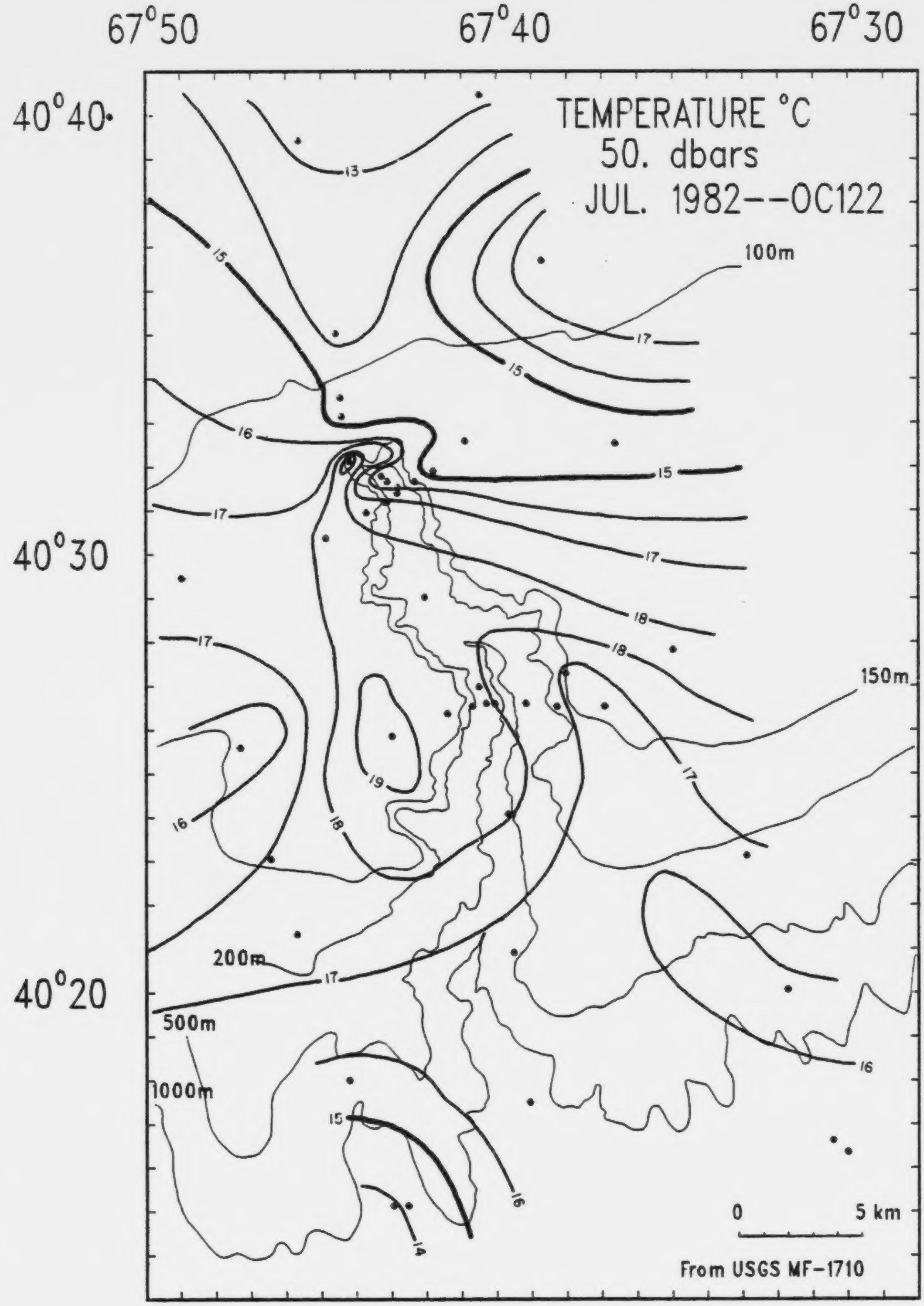

68°30
68°00
67°30
40°30
40°00
PHOSPHATE μga/l
0. dbars
JUL. 1982
OC122
0.3
0.1
0.1
0.5
1.0
2.0
3.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

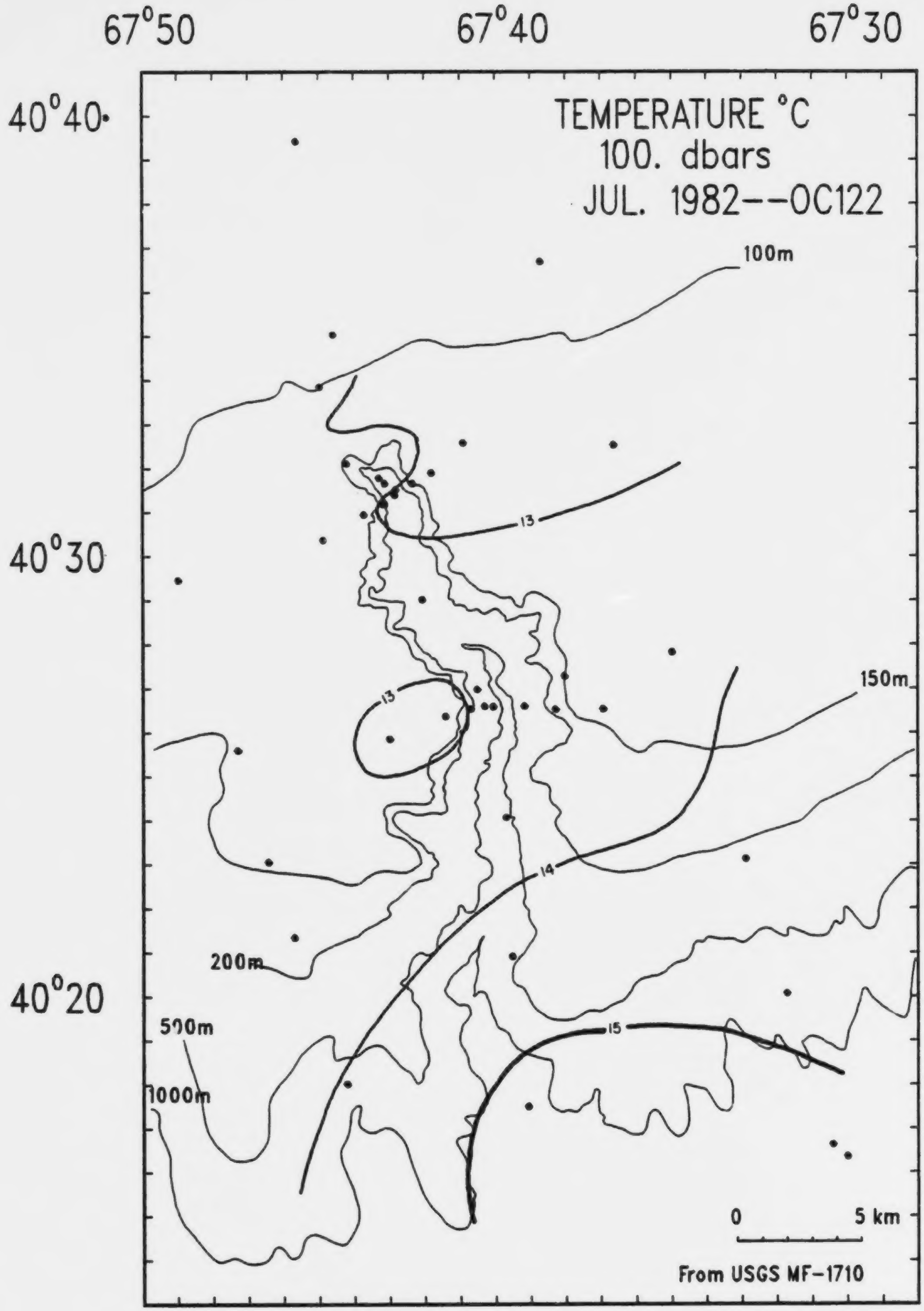

68°30
68°00
67°30
40°30
40°00
AMMONIA μga/l
0. dbars
JUL. 1982
OC122
5.0
1.0
1.0
2.0
5.0
1.0
1.0
1.0
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12

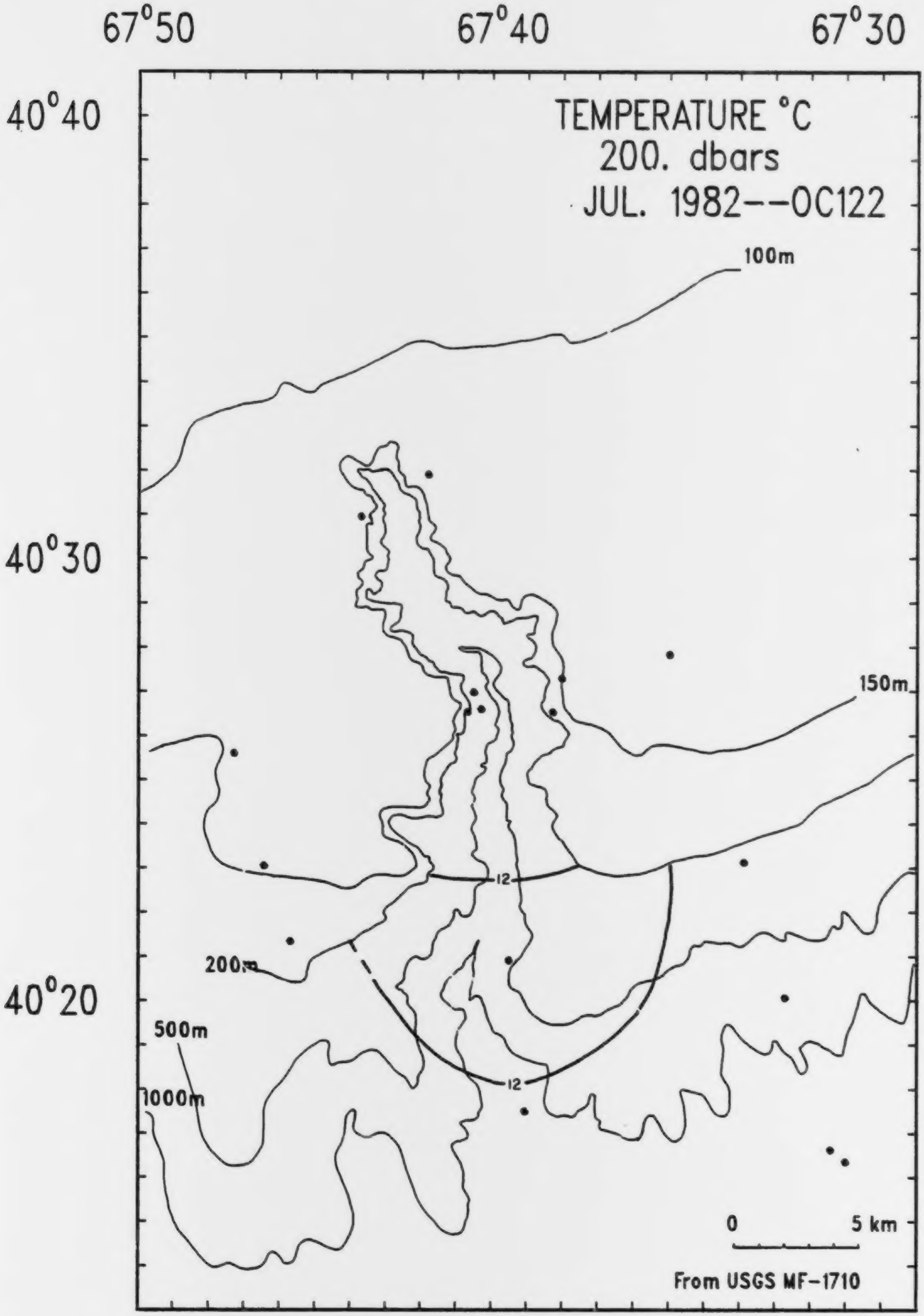

68°30
68°00
67°30
40°30
40°00
NITRATE μga/l
0. dbars
JUL. 1982
OC122
0.2
0.2
0.15
0.1
0.15
0.1
0.15
0.15
0.15
0.2
0.1
100m
200m
2000m
0
30 km
From NOS NK19-11 and NK19-12



67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
10. dbars
JUL. 1982--OC122
22
22
18
20
21
22
23
24
100m
150m
200m
500m
1000m
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
50. dbars
JUL. 1982--OC122
13
15
17
16
18
19
14
100m
150m
200m
500m
1000m
0
5 km
From USGS MF-1710

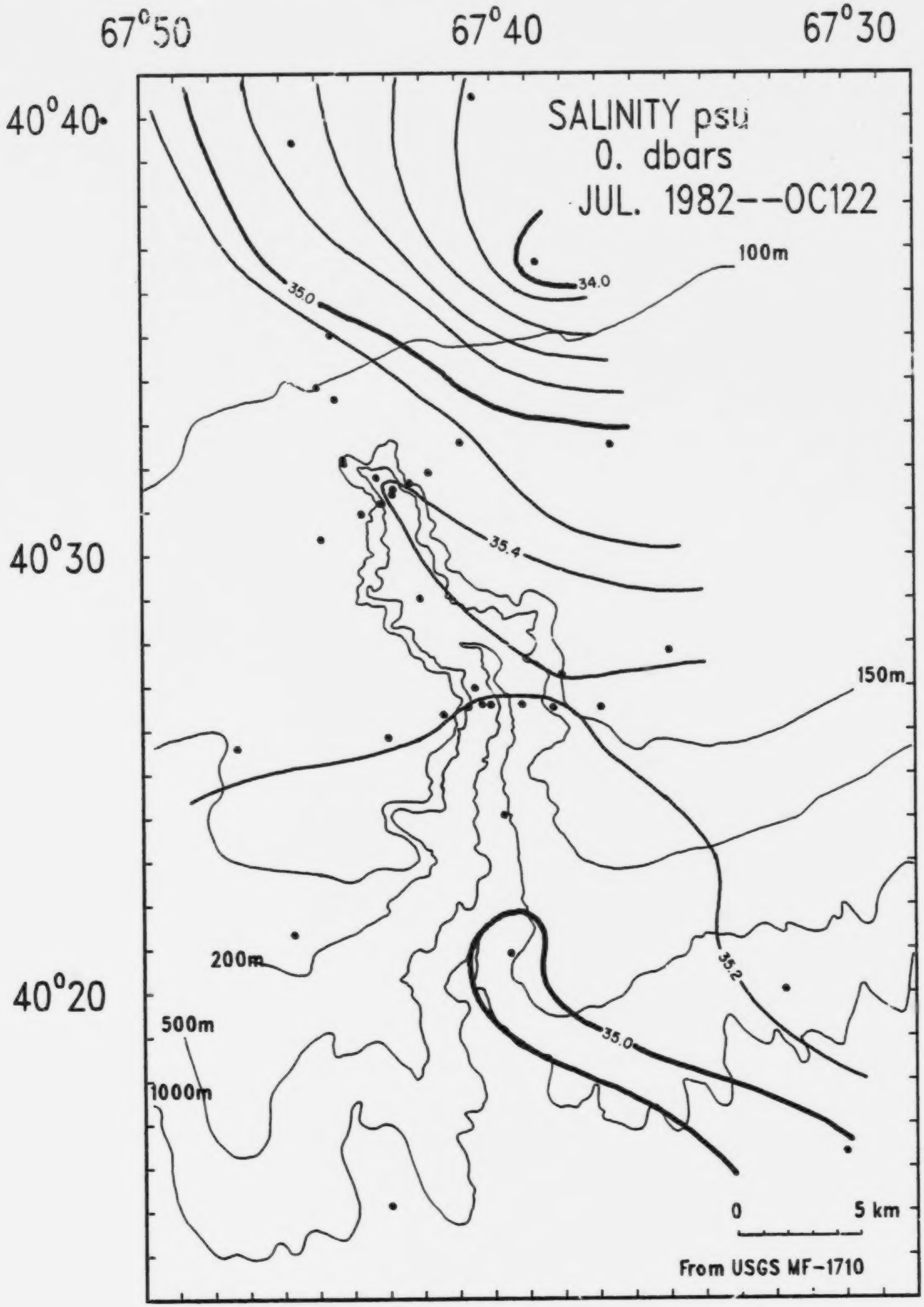

67°50
67°40
67°30
40°40
40°30
40°20
TEMPERATURE °C
100. dbars
JUL. 1982--OC122
100m
150m
200m
500m
1000m
13
13
14
15
0
5 km
From USGS MF-1710



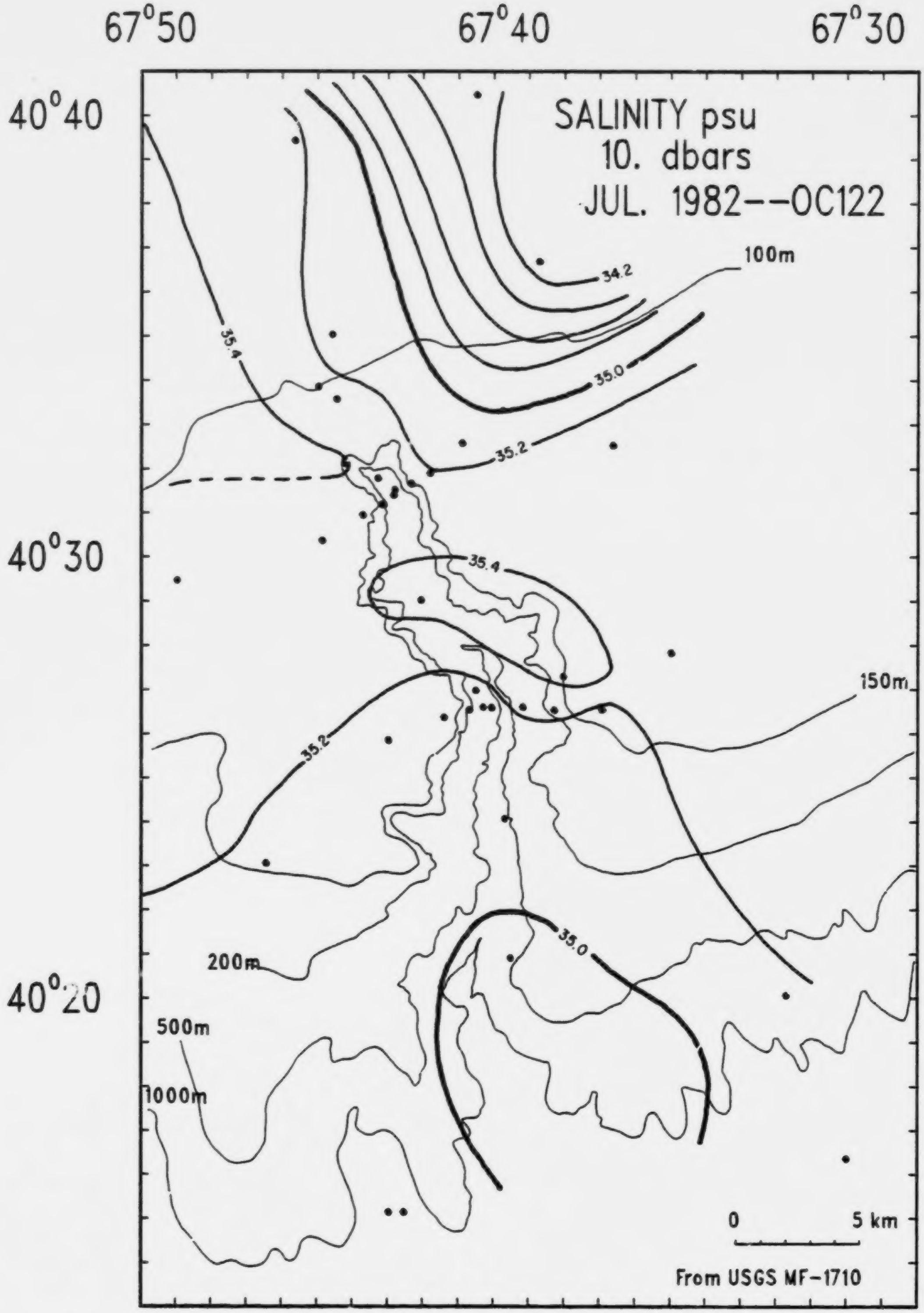
TEMPERATURE °C
200. dbars
JUL. 1982--OC122

67°50
67°40
67°30
40°40
40°30
40°20
100m
150m
200m
500m
1000m
12
12
0
5 km

From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
0. dbars
JUL. 1982--OC122
100m
34.0
35.0
35.4
150m
35.2
200m
500m
1000m
35.0
0
5 km

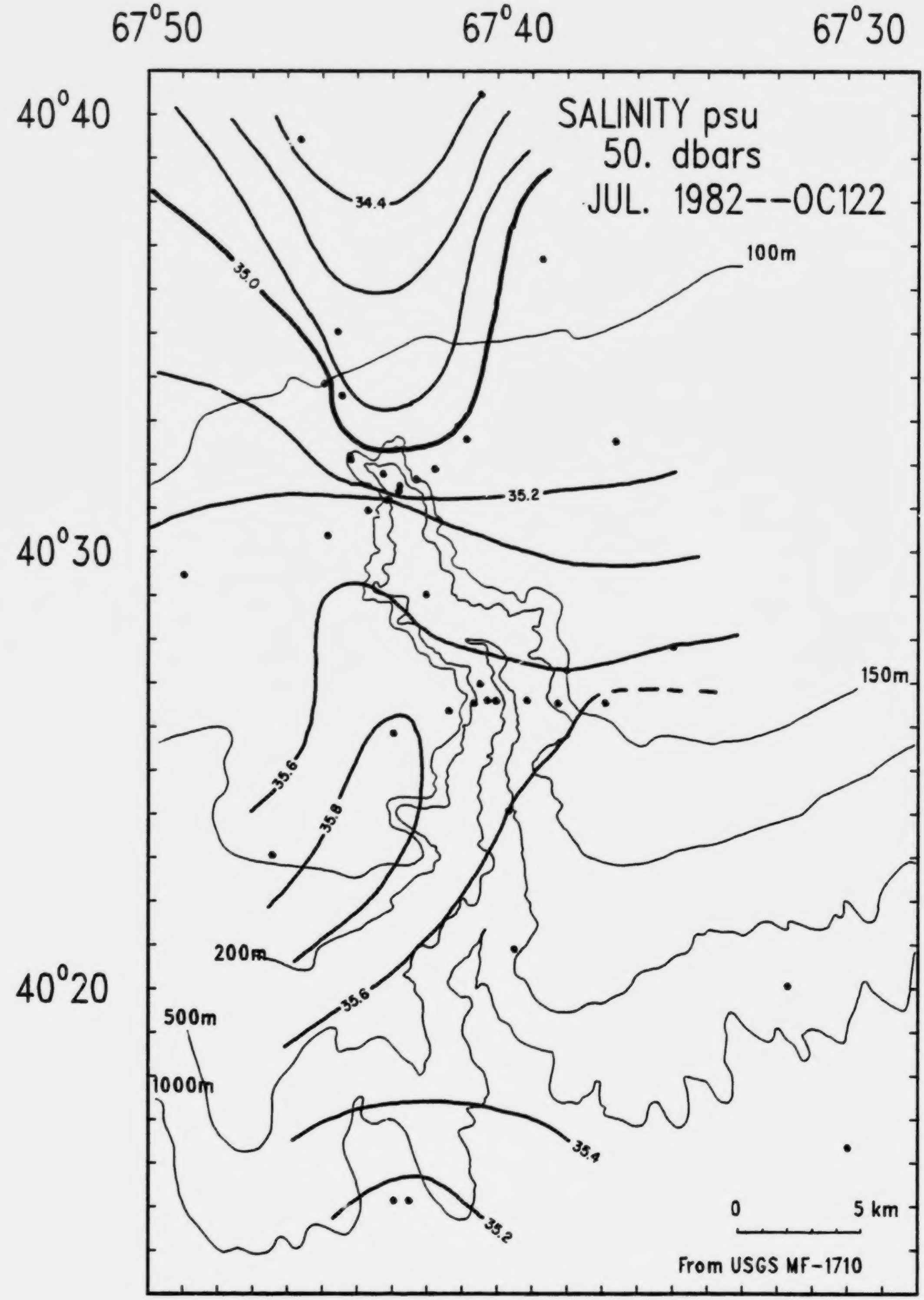
From USGS MF-1710

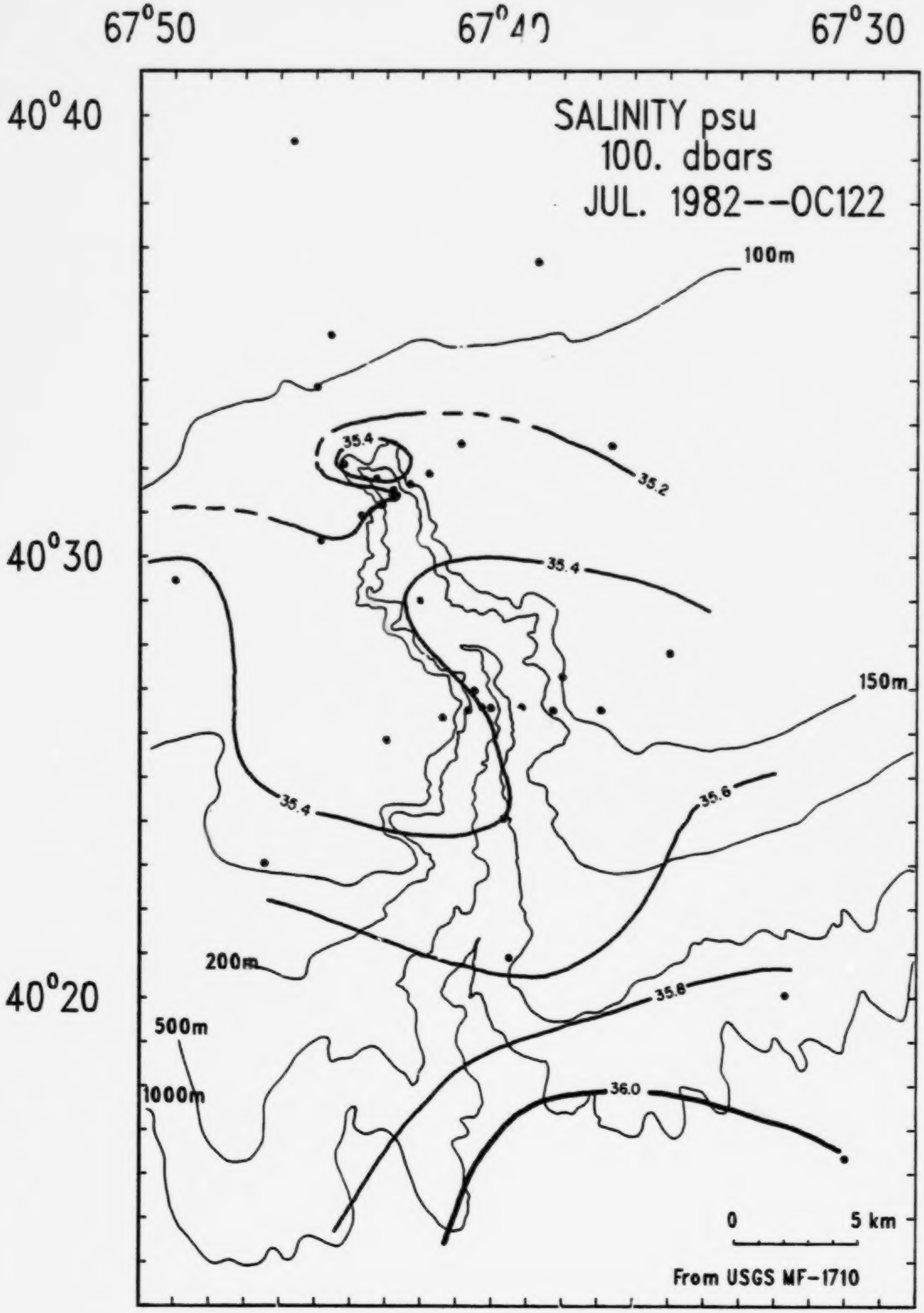


SALINITY psu
10. dbars
JUL. 1982--OC122

67°50
67°40
67°30
40°40
40°30
40°20
100m
34.2
35.0
35.2
35.4
35.4
35.2
150m
35.0
200m
500m
1000m
0
5 km

From USGS MF-1710

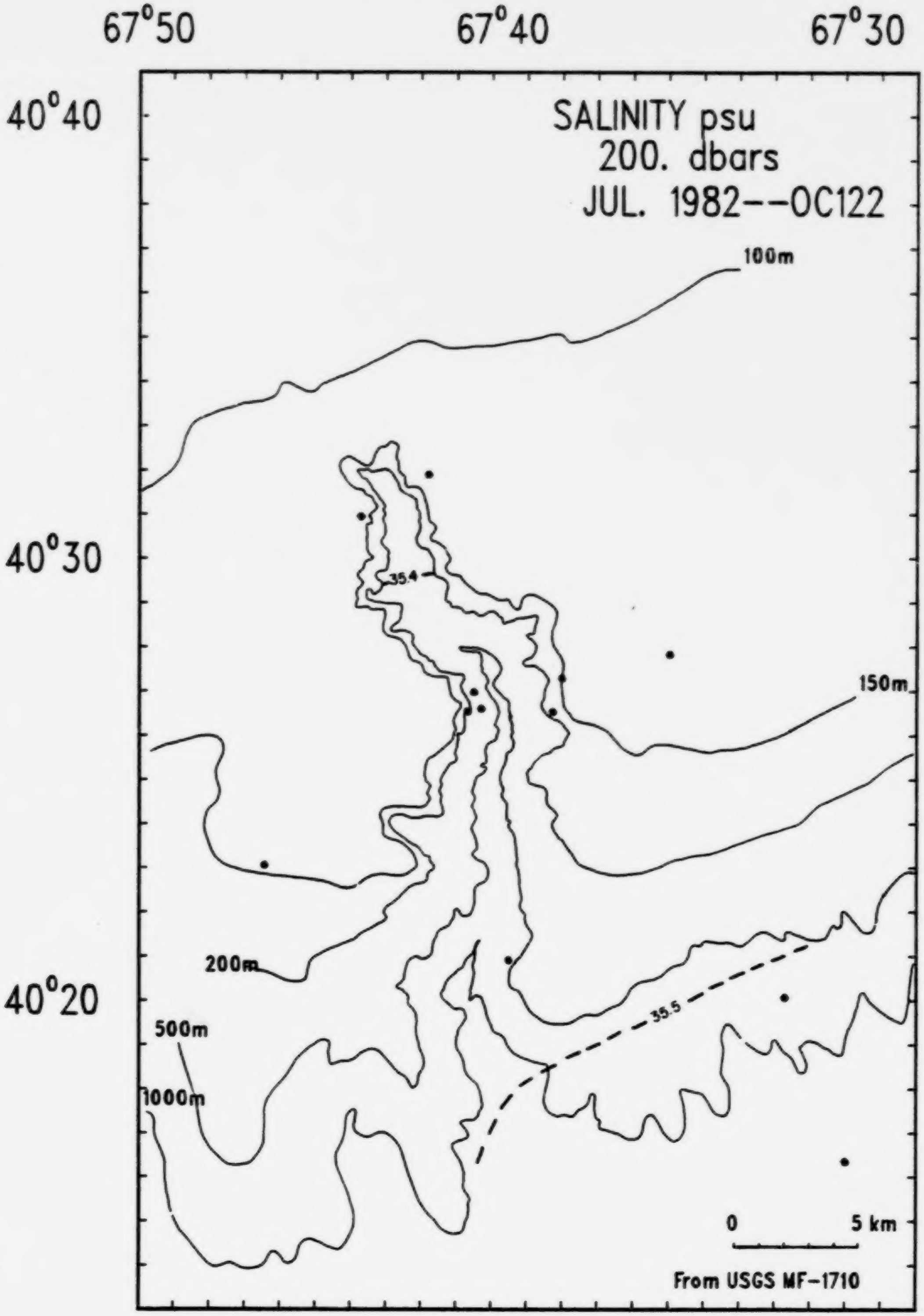

67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
50. dbars
JUL. 1982--OC122
34.4
35.0
35.2
35.4
35.6
35.8
35.6
35.2
100m
150m
200m
500m
1000m
0
5 km
From USGS MF-1710



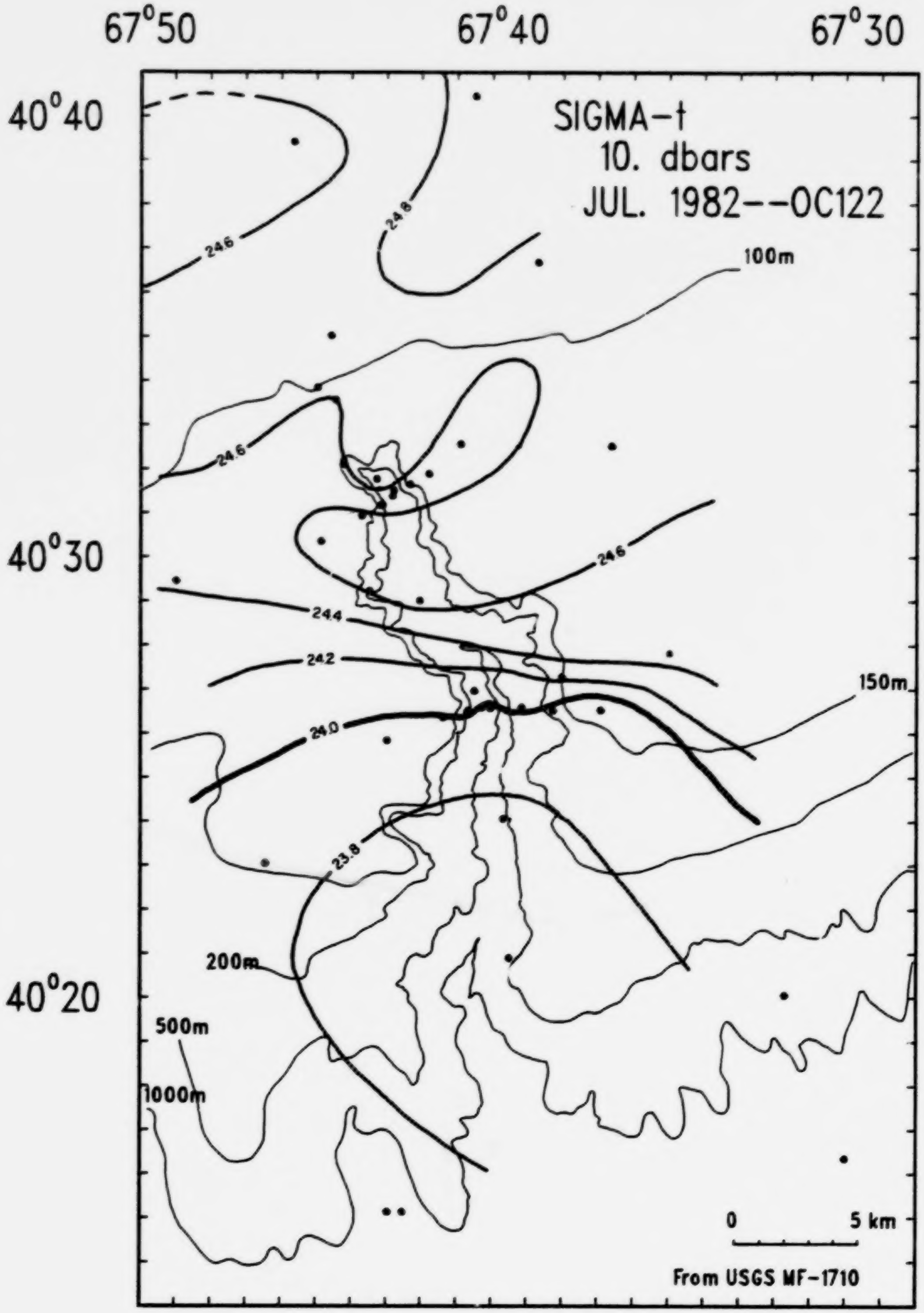
SALINITY psu
100. dbars
JUL. 1982--OC122

From USGS MF-1710

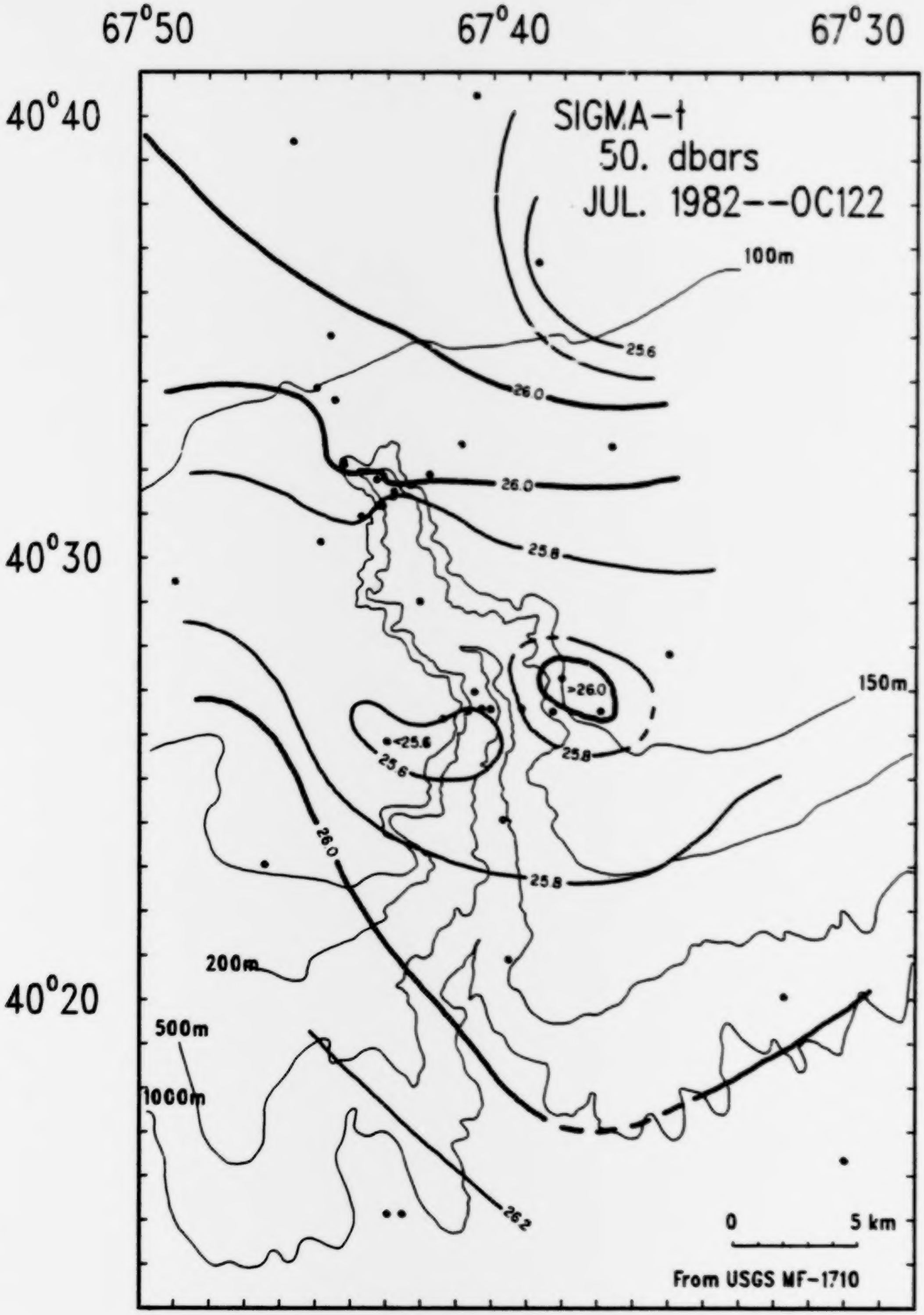
67°50
67°40
67°30
40°40
40°30
40°20
100m
35.4
35.2
35.4
150m
35.4
35.6
200m
35.8
500m
1000m
36.0
0
5 km



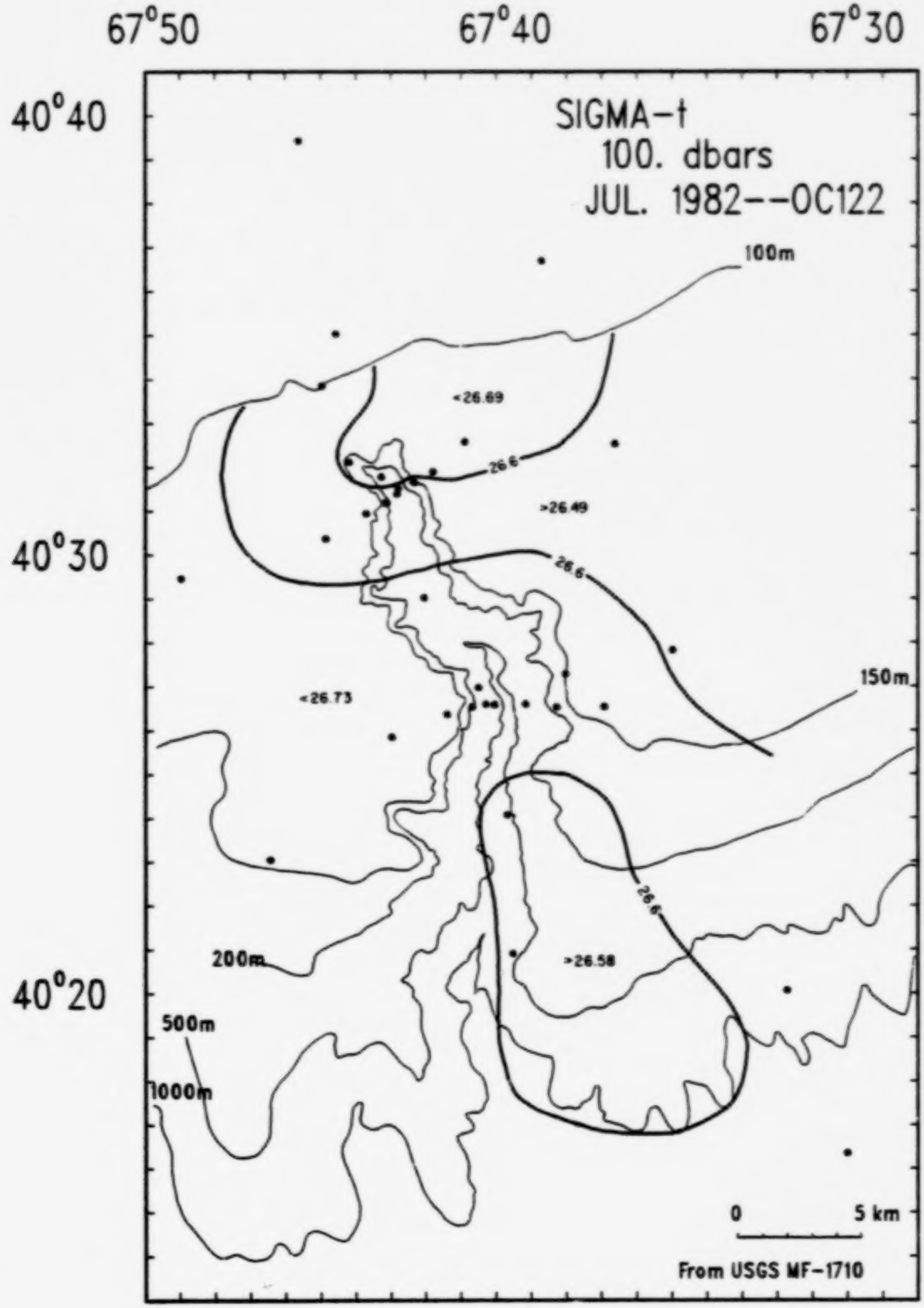
67°50
67°40
67°30
40°40
40°30
40°20
SALINITY psu
200. dbars
JUL. 1982--OC122
100m
150m
35.4
200m
500m
1000m
35.5
0
5 km
From USGS MF-1710

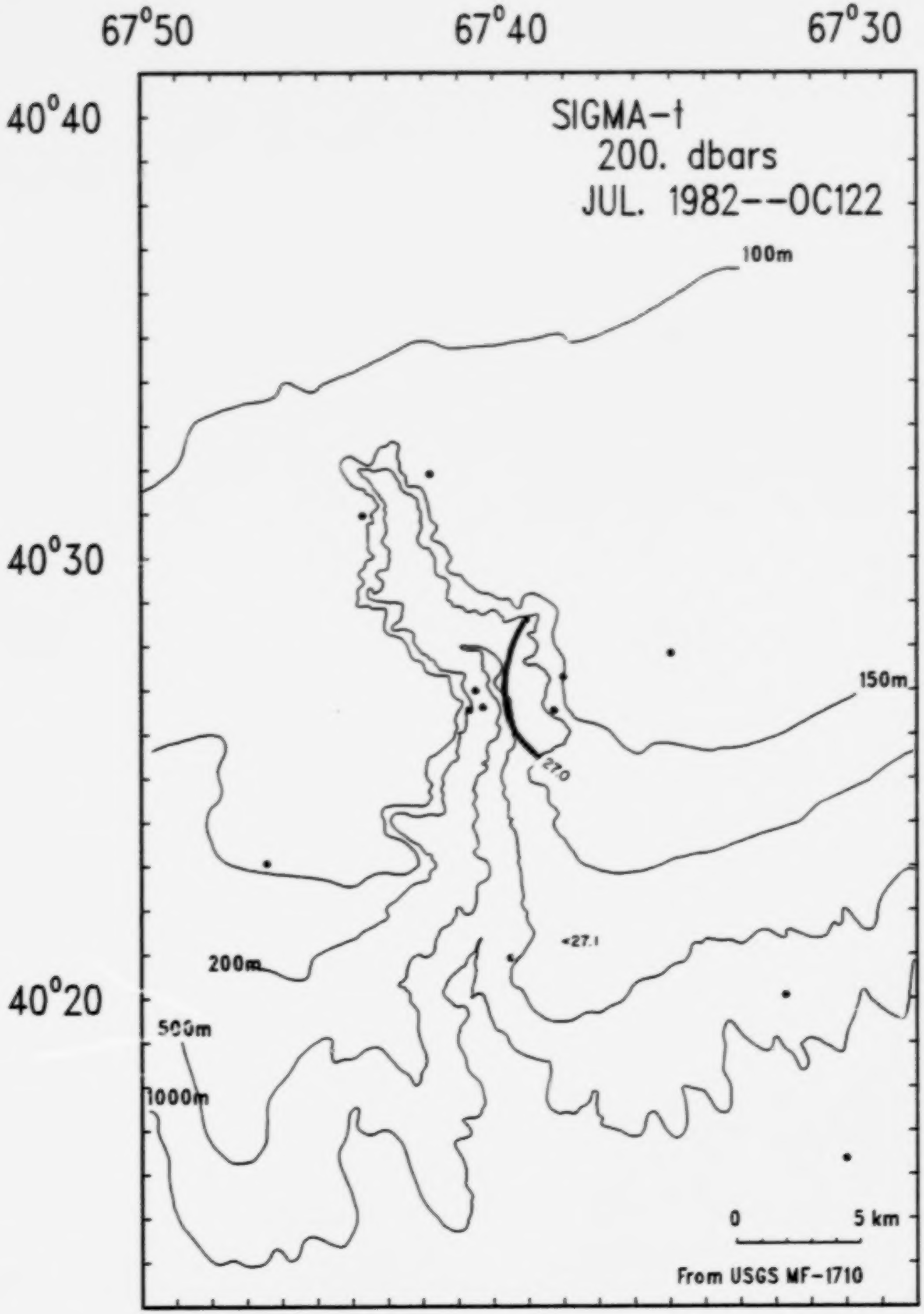

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
10. dbars
JUL. 1982--OC122
24.6
24.8
100m
24.6
24.6
24.4
24.2
24.0
150m
23.8
200m
500m
1000m
0
5 km

From USGS MF-1710



67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
50. dbars
JUL. 1982--OC122
100m
150m
200m
500m
1000m
25.6
26.0
26.0
25.8
>26.0
<25.6
25.6
25.8
25.8
26.0
26.2
0
5 km
From USGS MF-1710

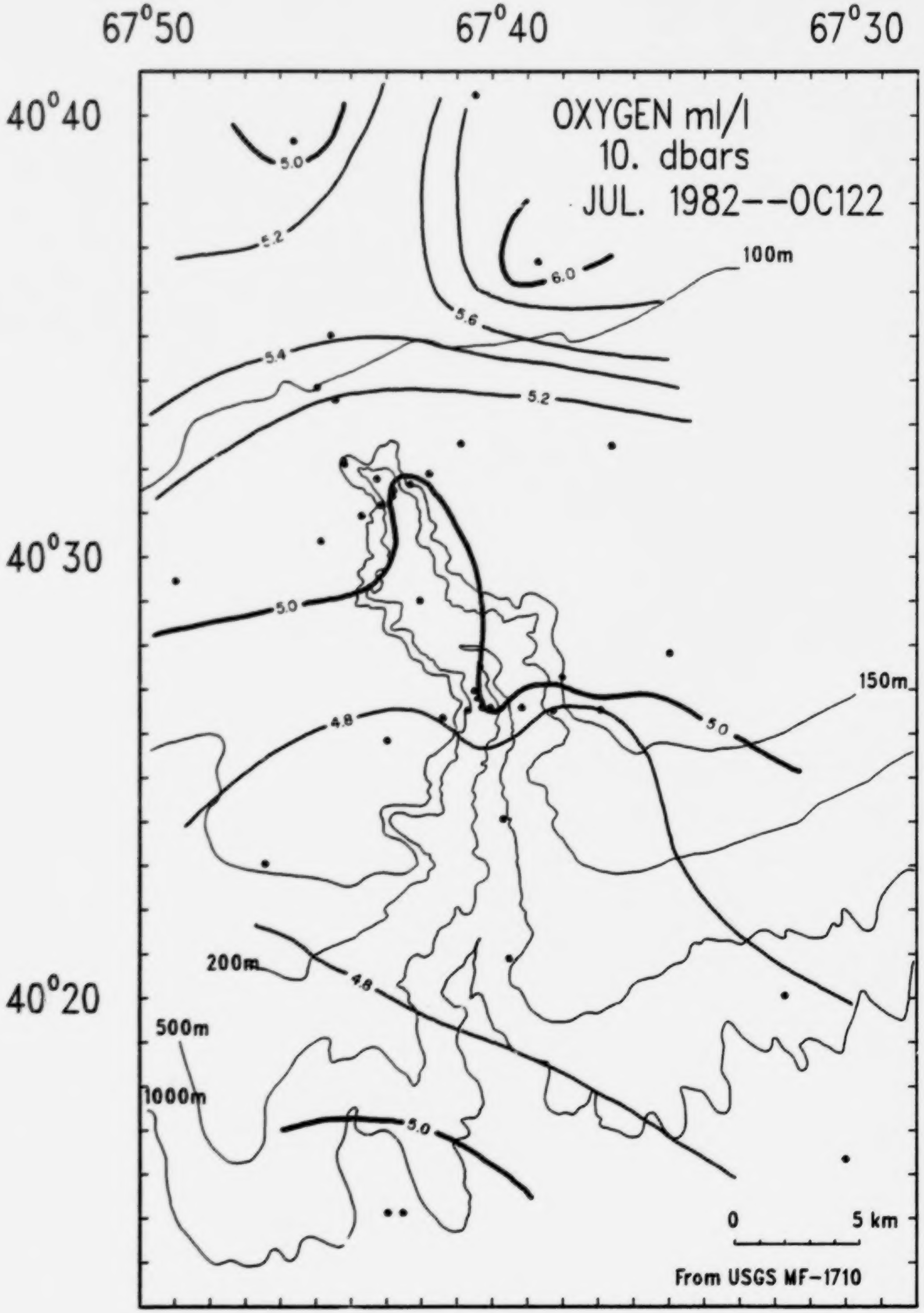

67°50
67°40
67°30
40°40
40°30
40°20
SIGMA-t
100. dbars
JUL. 1982--OC122
100m
<26.69
26.6
>26.49
26.6
150m
<26.73
26.6
200m
>26.58
500m
1000m
0
5 km
From USGS MF-1710



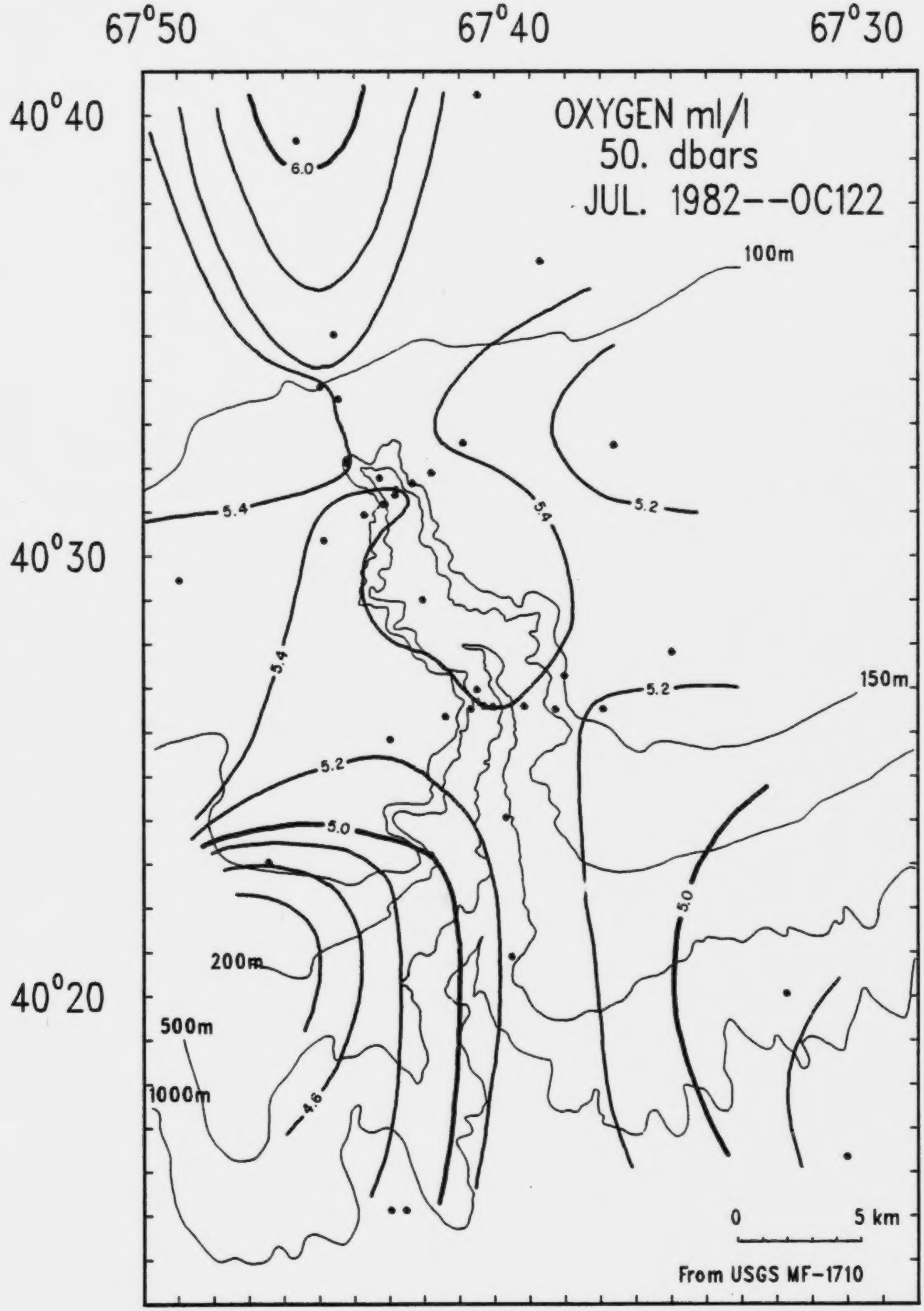
SIGMA-t
200. dbars
JUL. 1982--OC122

67°50
67°40
67°30
40°40
40°30
40°20
100m
150m
27.0
<27.1
200m
500m
1000m
0
5 km

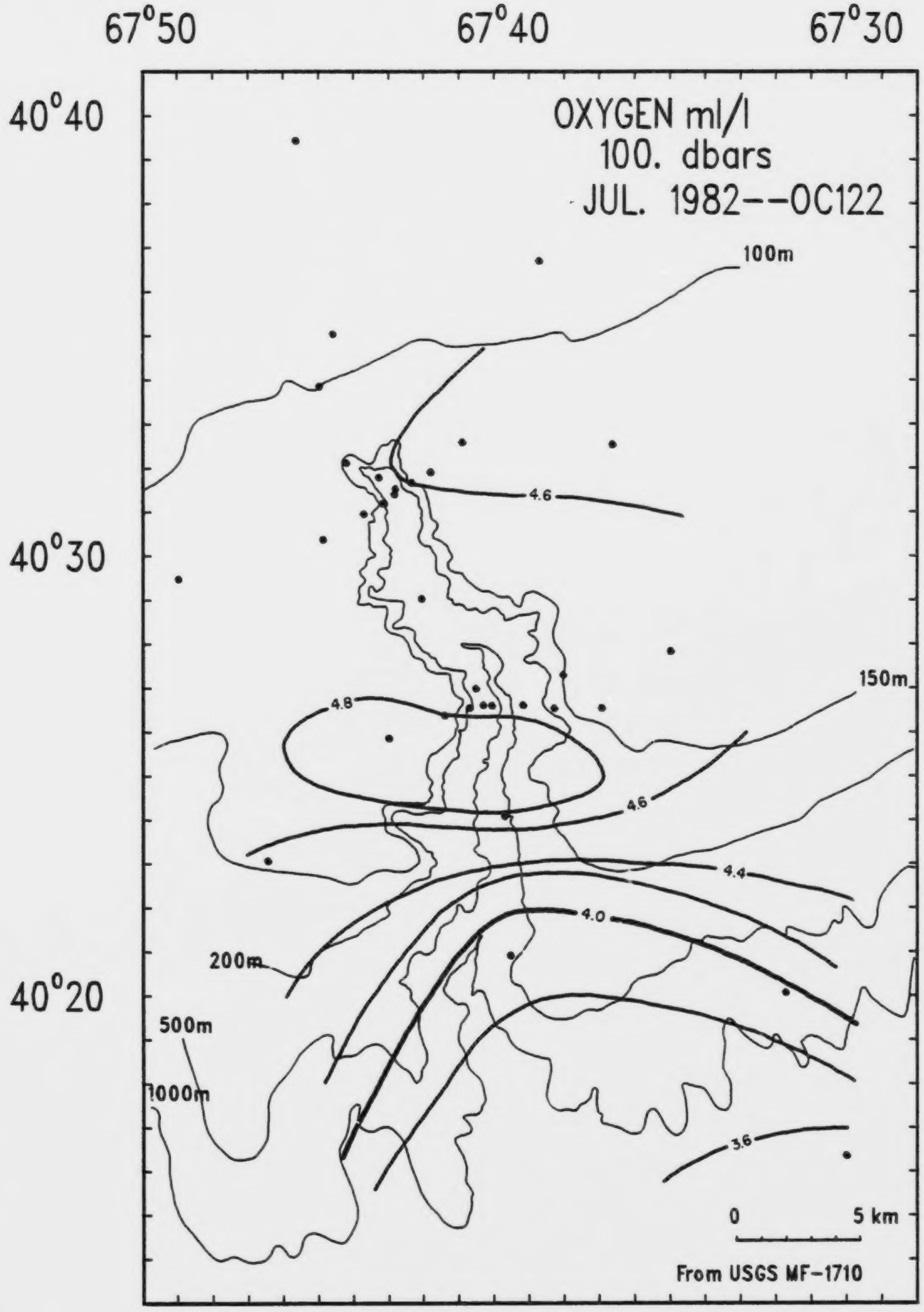
From USGS MF-1710

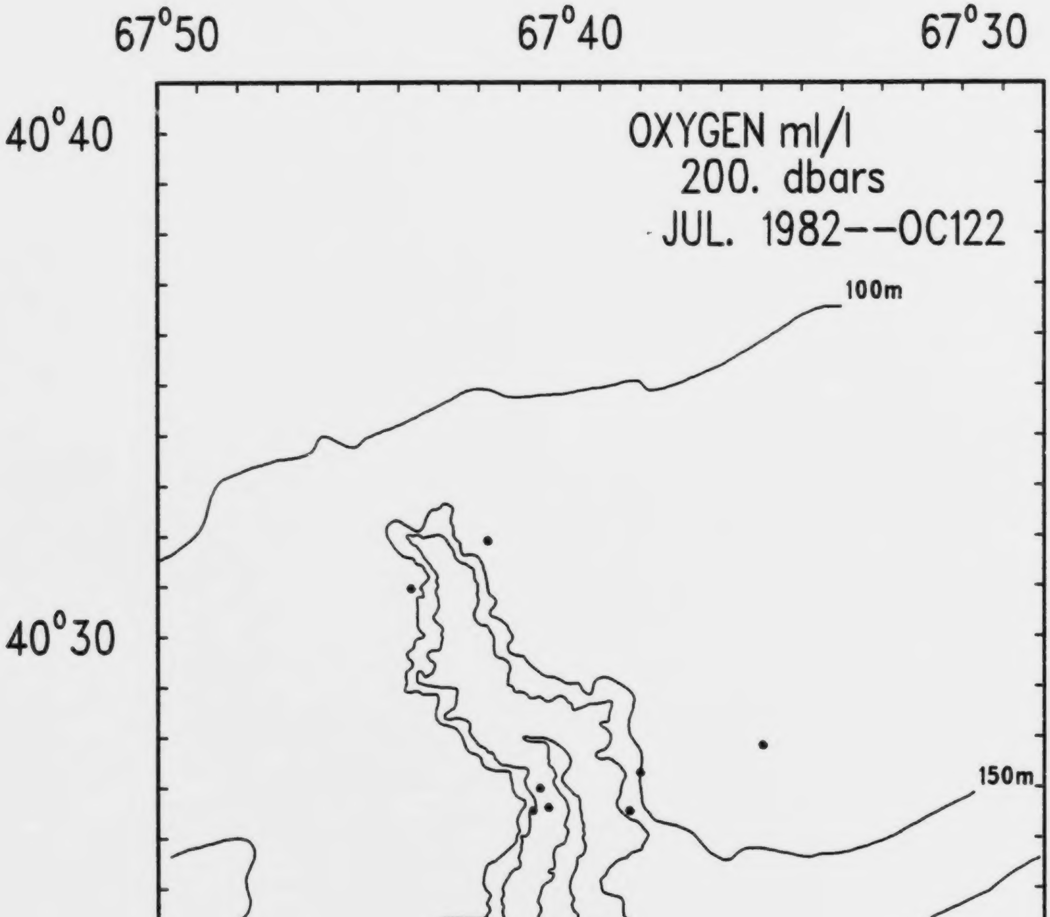

67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
10. dbars
JUL. 1982--OC122
100m
150m
200m
500m
1000m
5.0
5.2
6.0
5.6
5.4
5.2
5.0
4.8
5.0
4.8
5.0
0
5 km

From USGS MF-1710

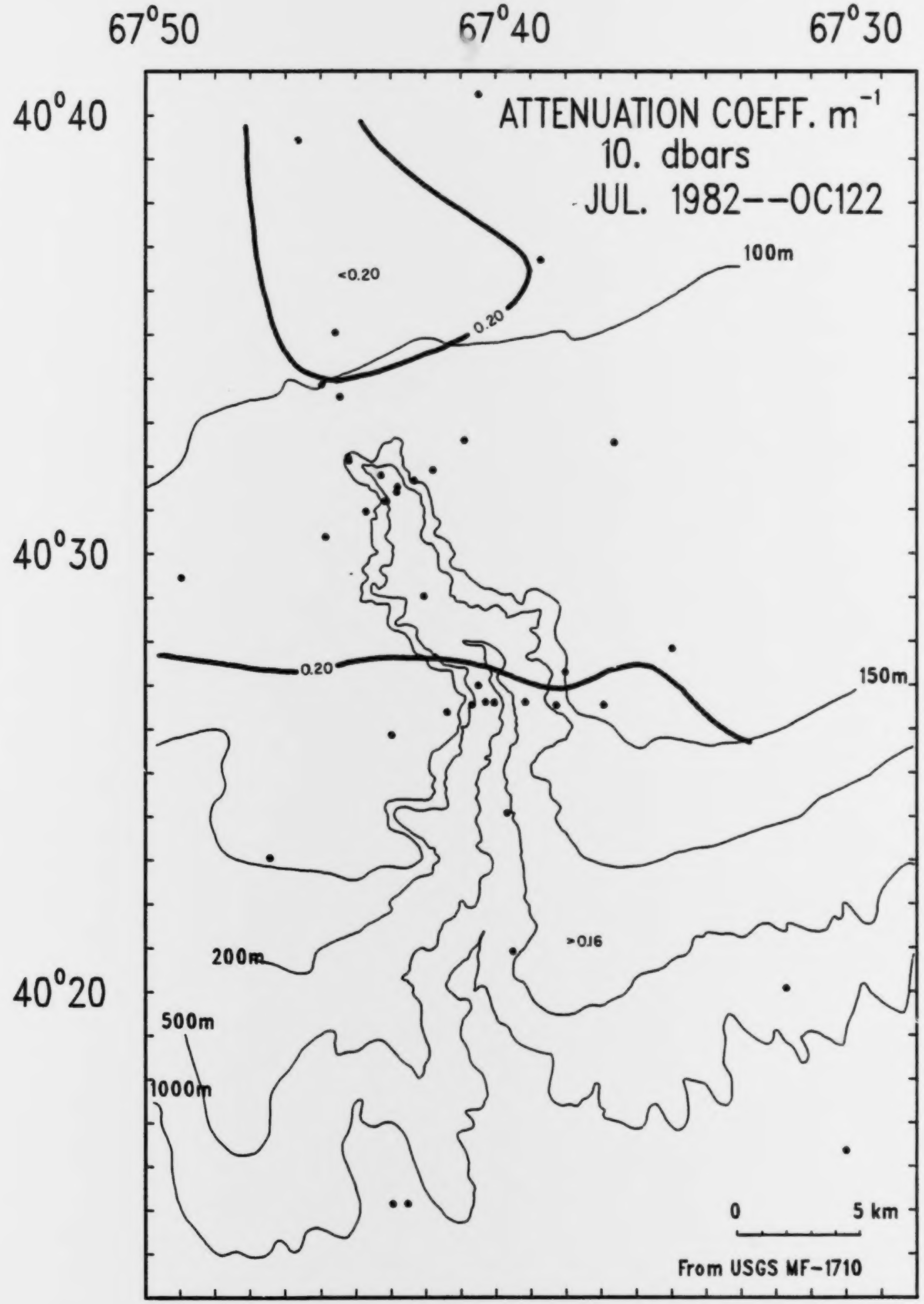

67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
50. dbars
JUL. 1982--OC122
6.0
100m
5.4
5.4
5.2
5.4
5.2
150m
5.2
5.0
5.0
200m
500m
1000m
4.6
0
5 km

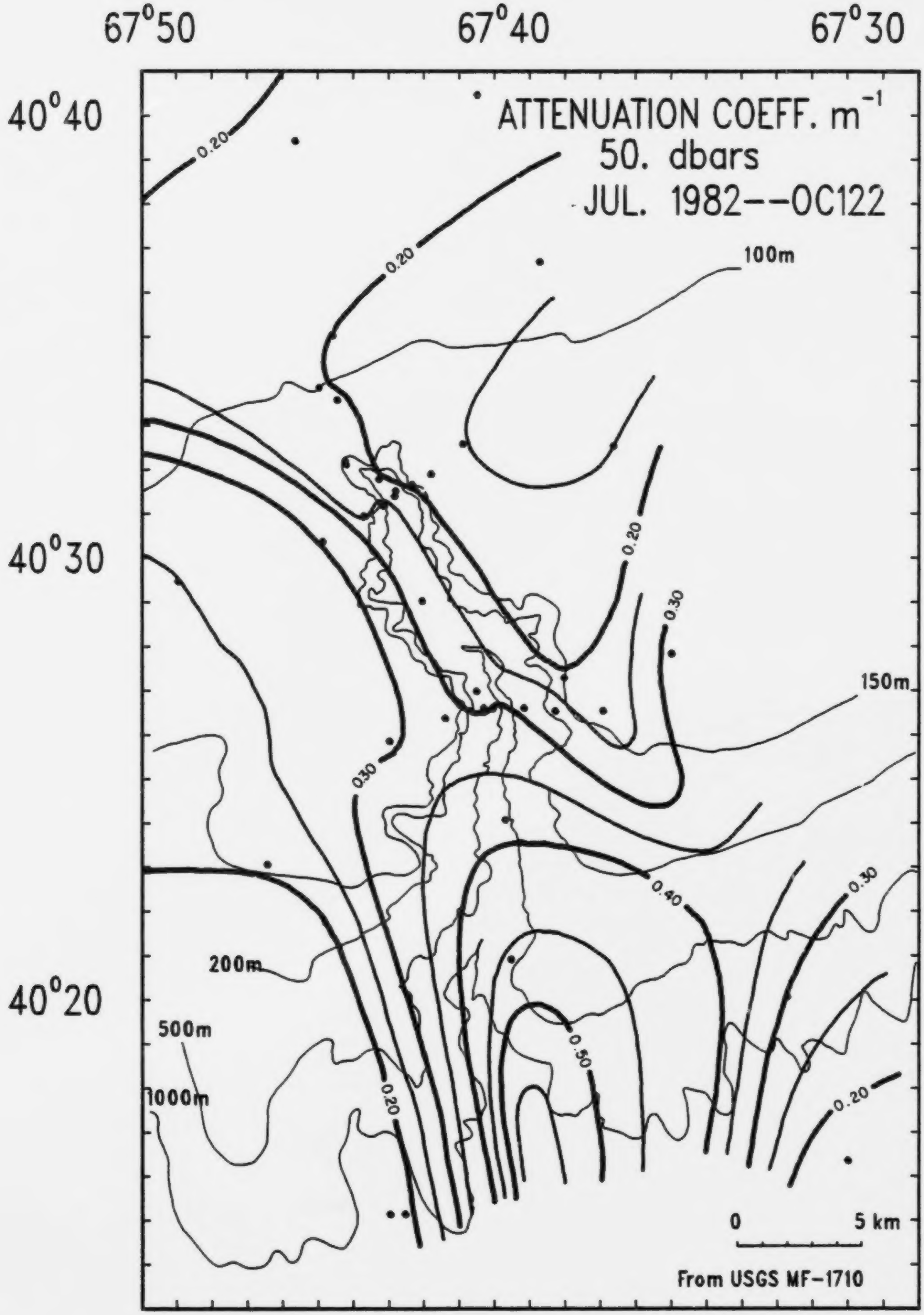
From USGS MF-1710

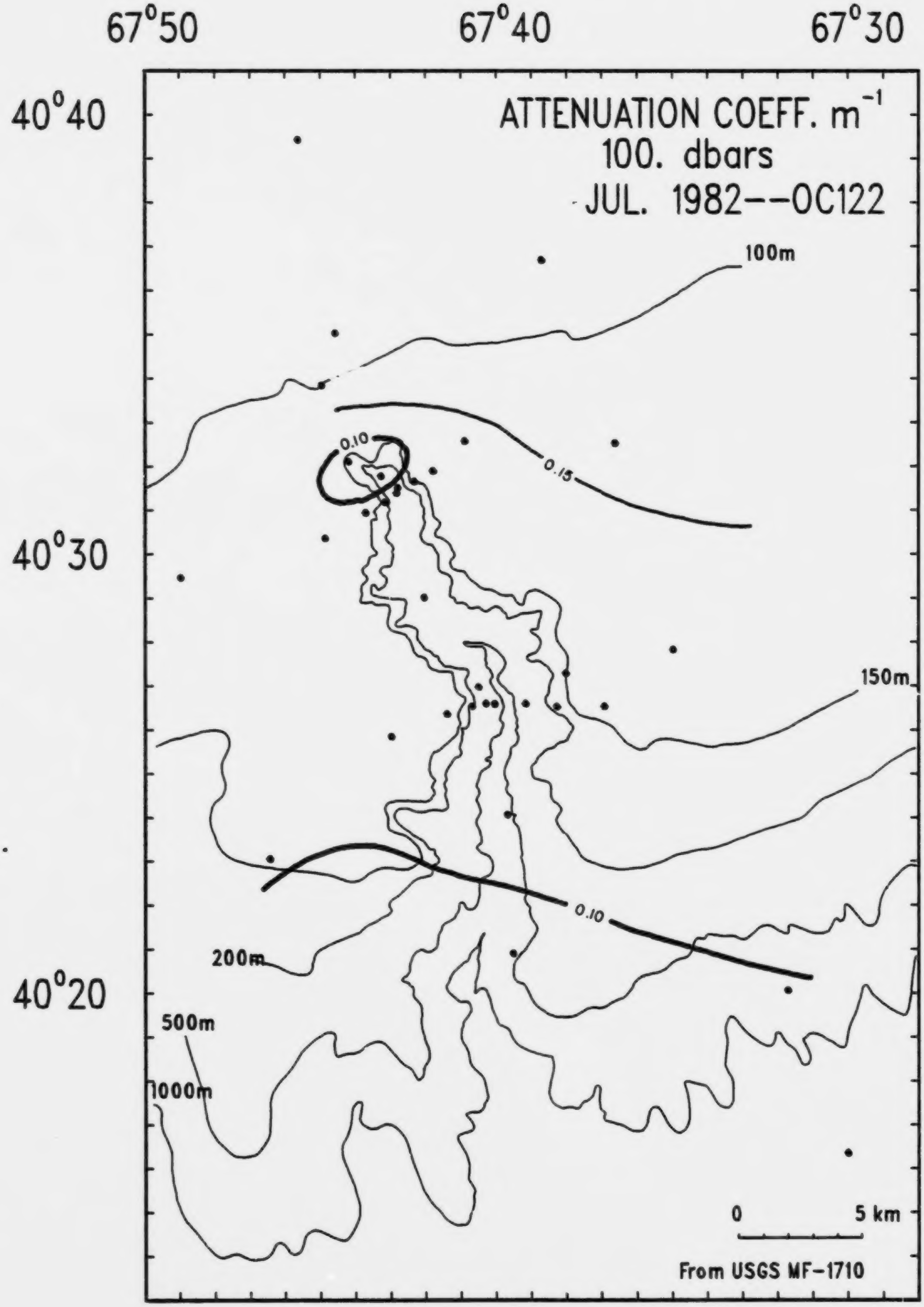

67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
100. dbars
JUL. 1982--OC122
100m
150m
200m
500m
1000m
4.8
4.6
4.4
4.0
3.6
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
OXYGEN ml/l
200. dbars
JUL. 1982--OC122
100m
150m
200m
500m
1000m
4.0
3.8
3.6
0
5 km

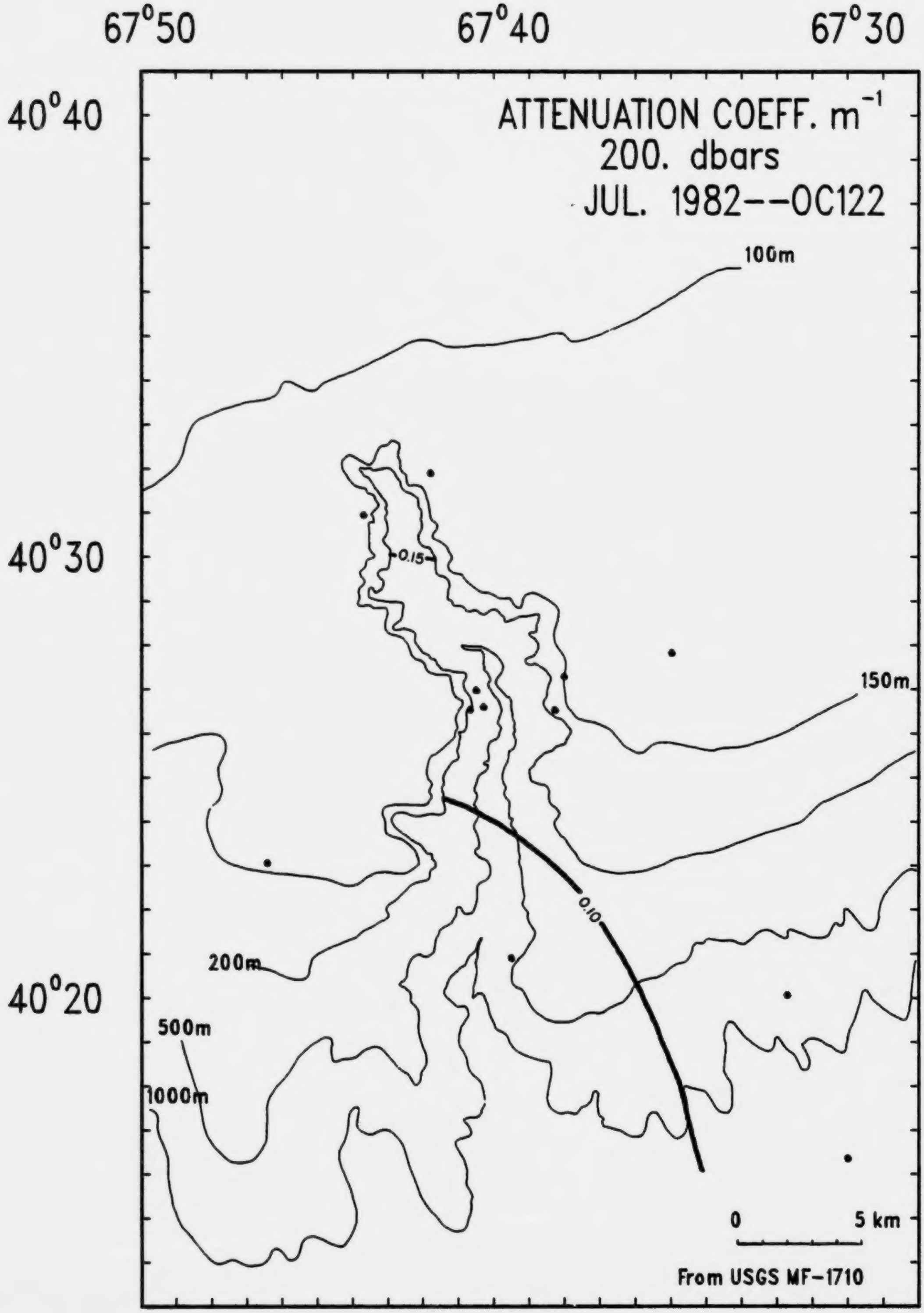
From USGS MF-1710

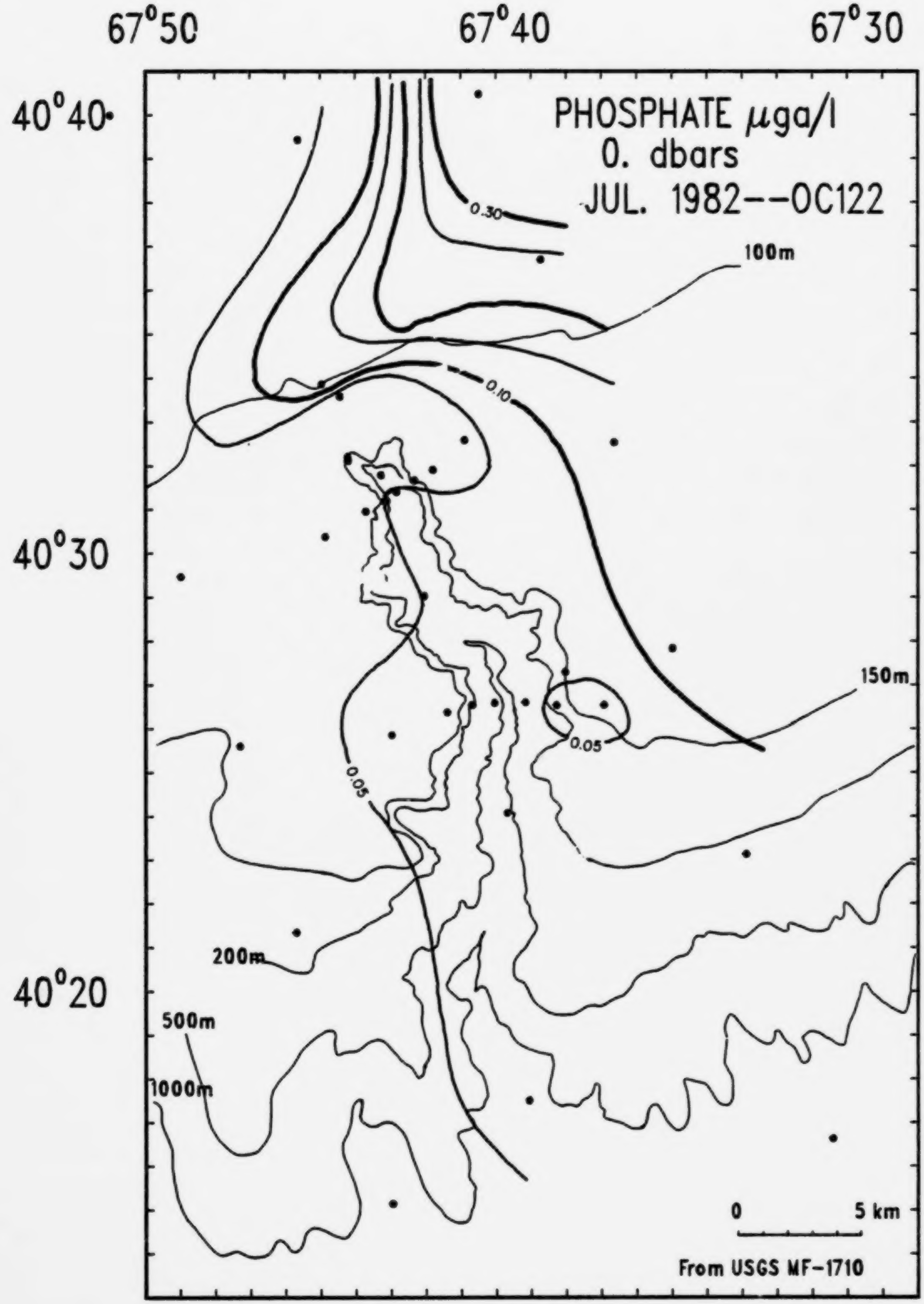

67°50
67°40
67°30
40°40
40°30
40°20
ATTENUATION COEFF. m$^{-1}$
10. dbars
JUL. 1982--OC122
<0.20
0.20
100m
0.20
150m
>0.16
200m
500m
1000m
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
ATTENUATION COEFF. $m^{-1}$
50. dbars
JUL. 1982--OC122
0.20
0.20
0.20
0.20
0.20
0.30
0.30
0.30
0.40
0.50
100m
150m
200m
500m
1000m
0
5 km
From USGS MF-1710

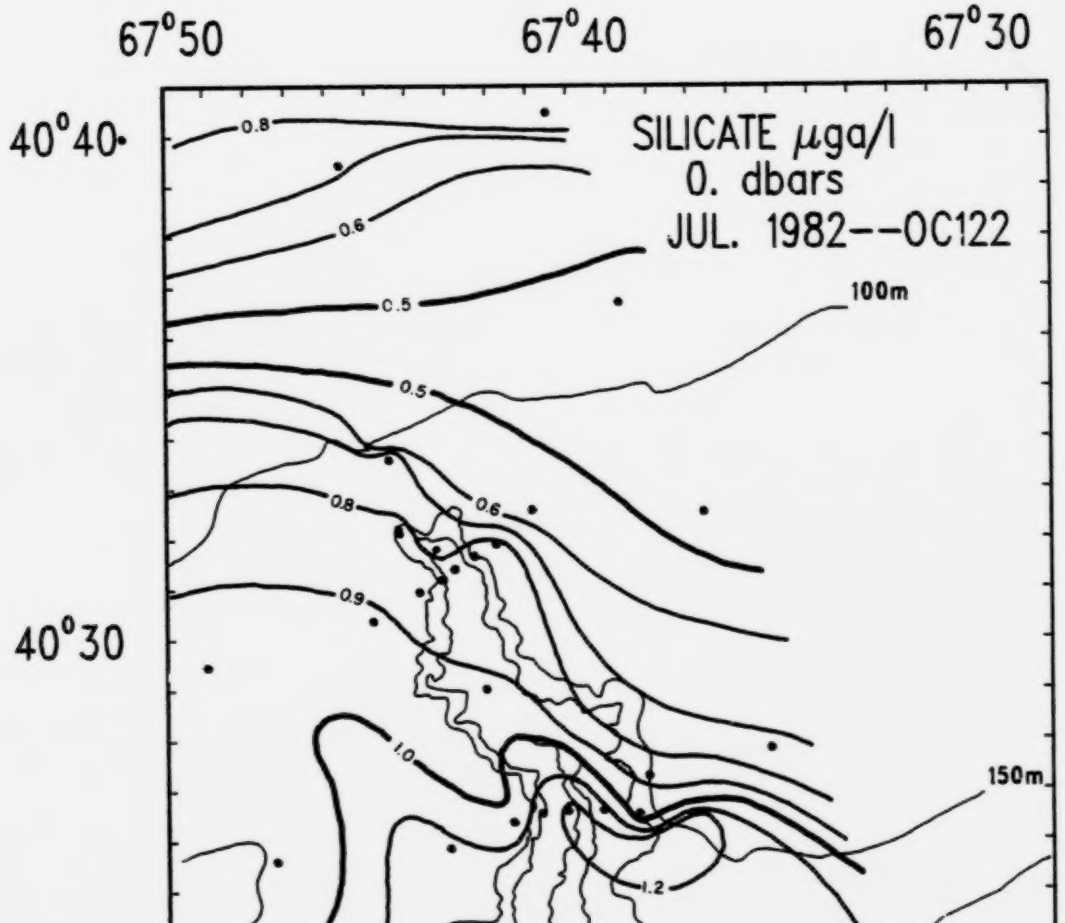

67°50
67°40
67°30
40°40
40°30
40°20
ATTENUATION COEFF. m⁻¹
100. dbars
JUL. 1982--OC122
100m
150m
200m
500m
1000m
0.10
0.15
0.10
0
5 km

From USGS MF-1710

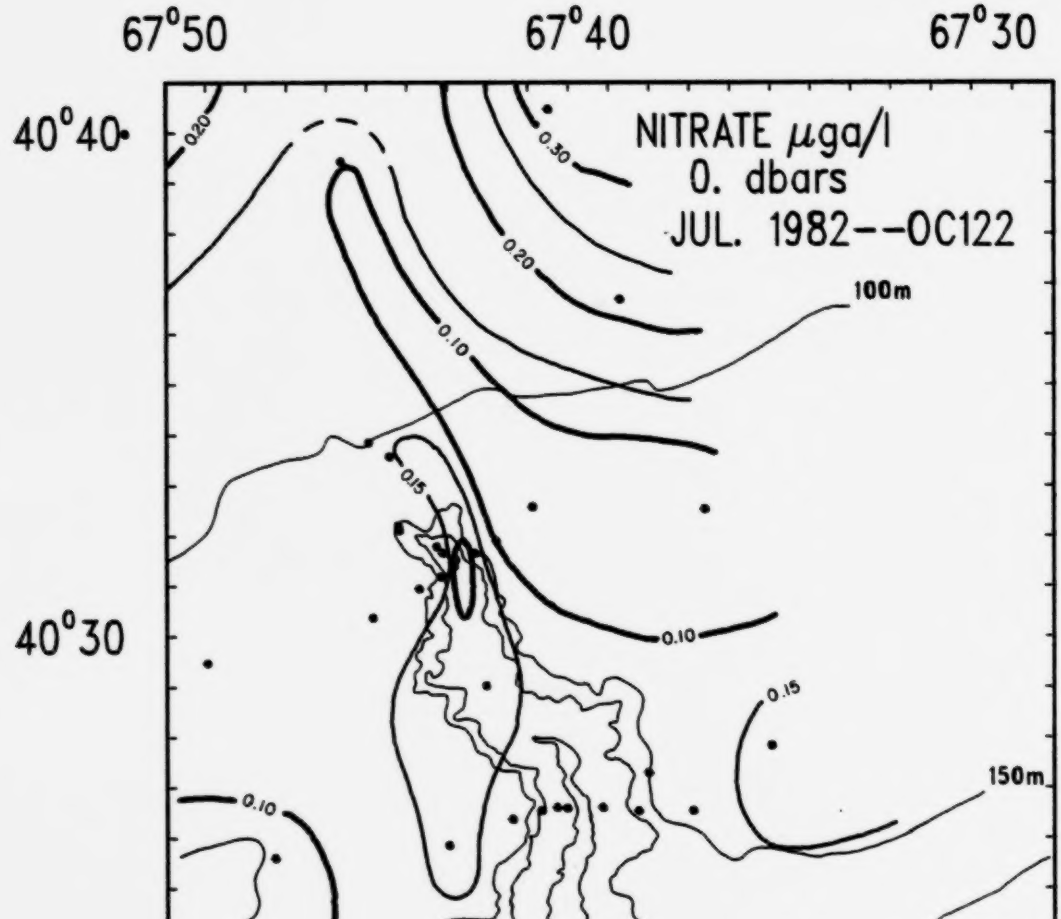

67°50
67°40
67°30
40°40
40°30
40°20
ATTENUATION COEFF. $m^{-1}$
200. dbars
JUL. 1982--OC122
100m
150m
200m
500m
1000m
0.15
0.10
0
5 km
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
PHOSPHATE μga/l
0. dbars
JUL. 1982--OC122
0.30
0.10
0.05
0.05
100m
150m
200m
500m
1000m
0
5 km

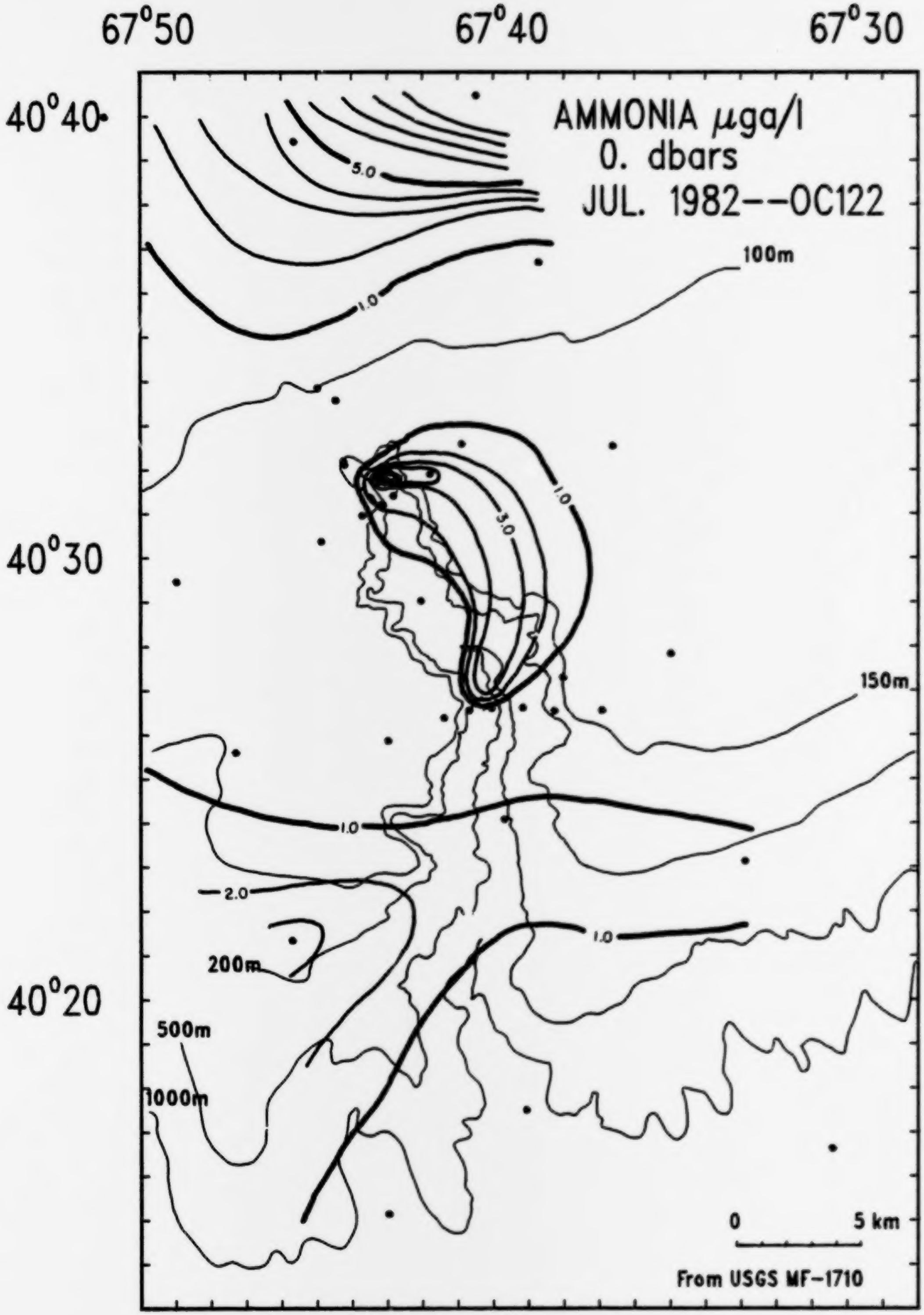
From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
SILICATE µga/l
0. dbars
JUL. 1982--OC122
0.8
0.6
0.5
0.5
0.6
0.8
0.9
1.0
1.2
1.1
100m
150m
200m
500m
1000m
0
5 km

From USGS MF-1710


67°50
67°40
67°30
40°40
40°30
40°20
NITRATE μga/l
0. dbars
JUL. 1982--OC122
0.20
0.30
0.20
0.10
100m
0.15
0.10
0.15
150m
0.10
200m
500m
1000m
0
5 km

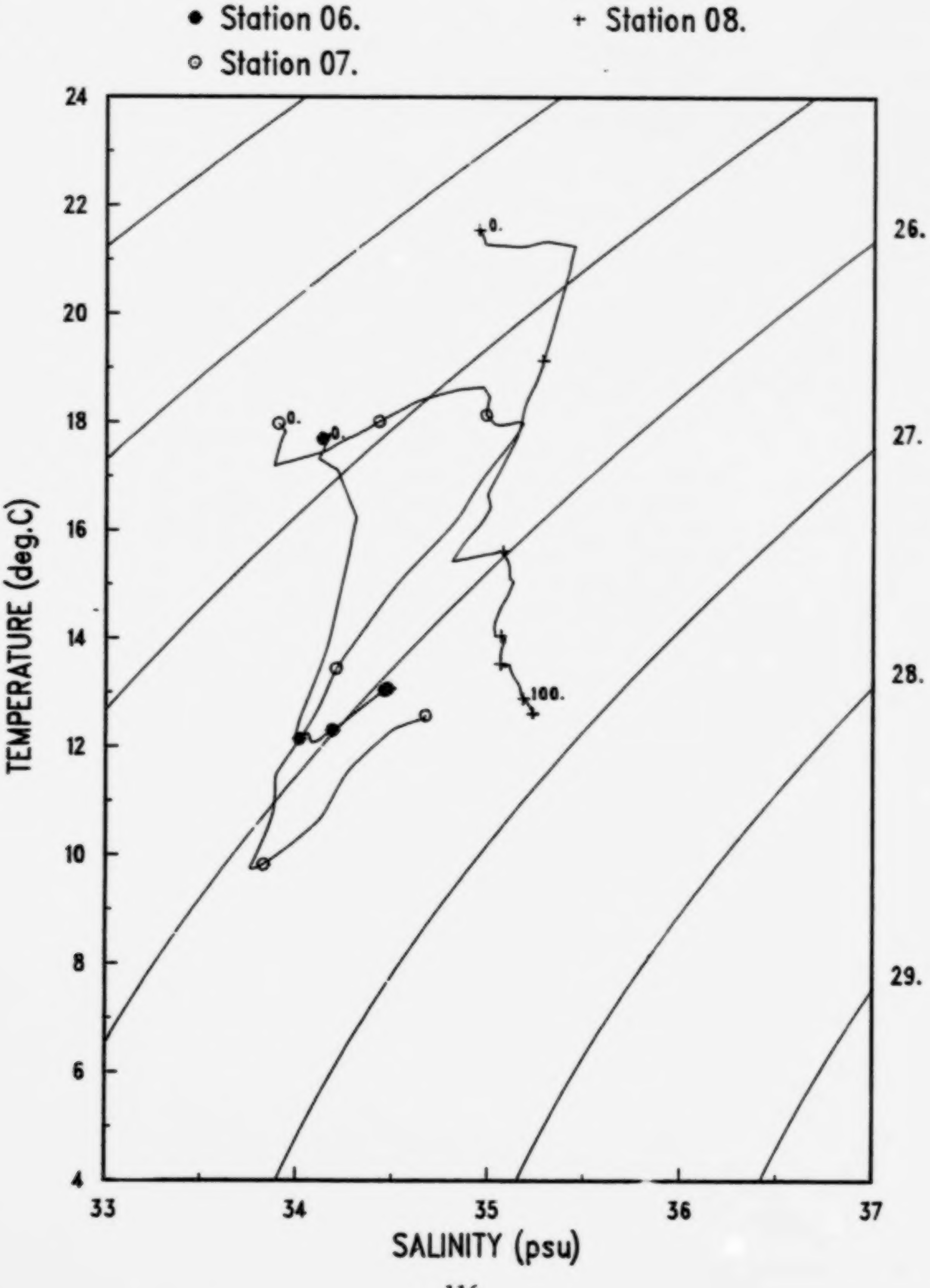
From USGS MF-1710

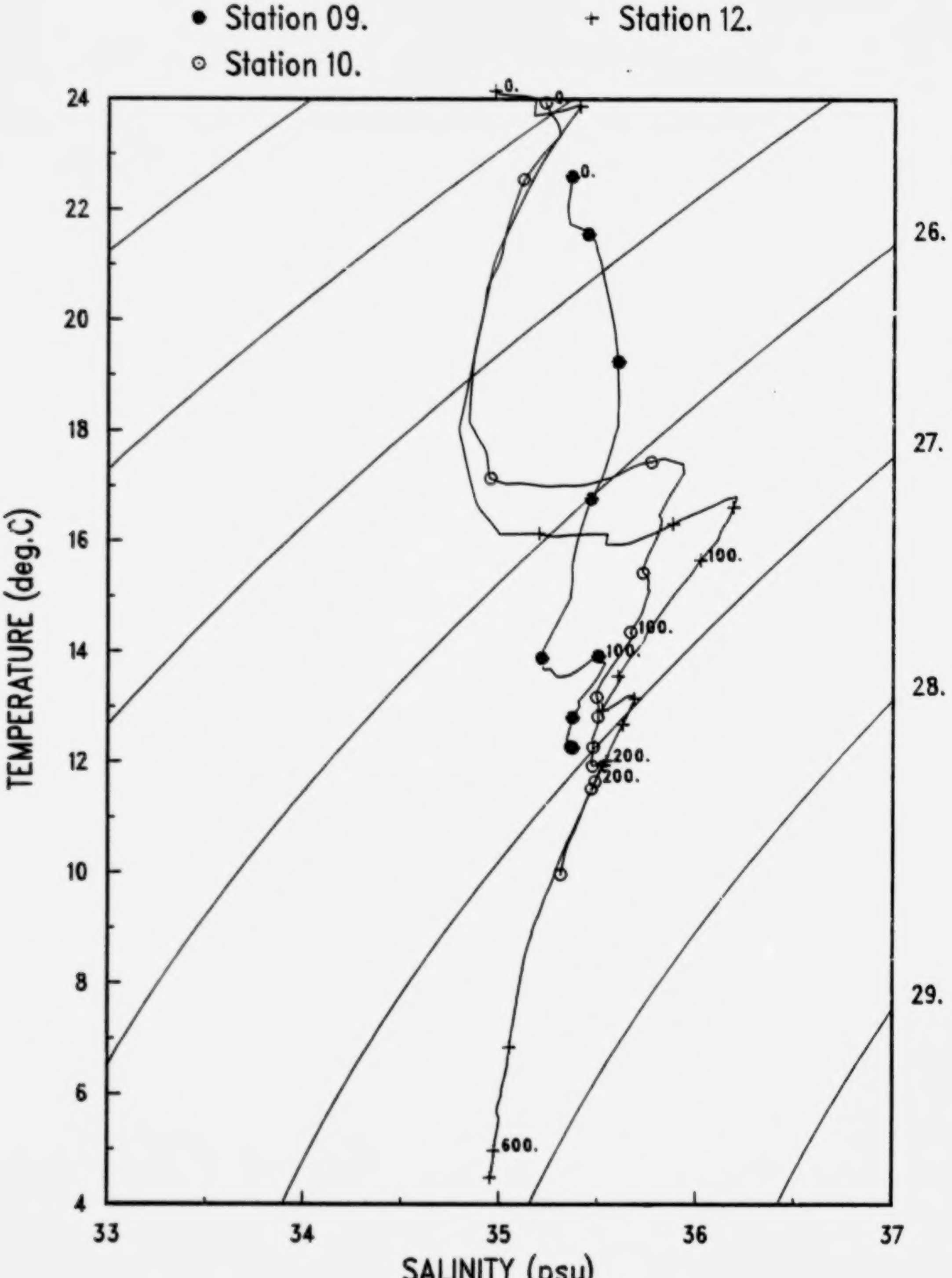

67°50
67°40
67°30
40°40
40°30
40°20
AMMONIA µga/l
0. dbars
JUL. 1982--OC122
5.0
1.0
100m
1.0
3.0
150m
1.0
2.0
200m
1.0
500m
1000m
0
5 km
From USGS MF-1710

## Temperature salinity diagrams

Plots of temperature vs. salinity are by section (see figs. 1 and 2). Each station is identified with a different symbol. The symbols are plotted every 20 dbars, and the 100-, 200-, and 600-dbar points have been labeled.

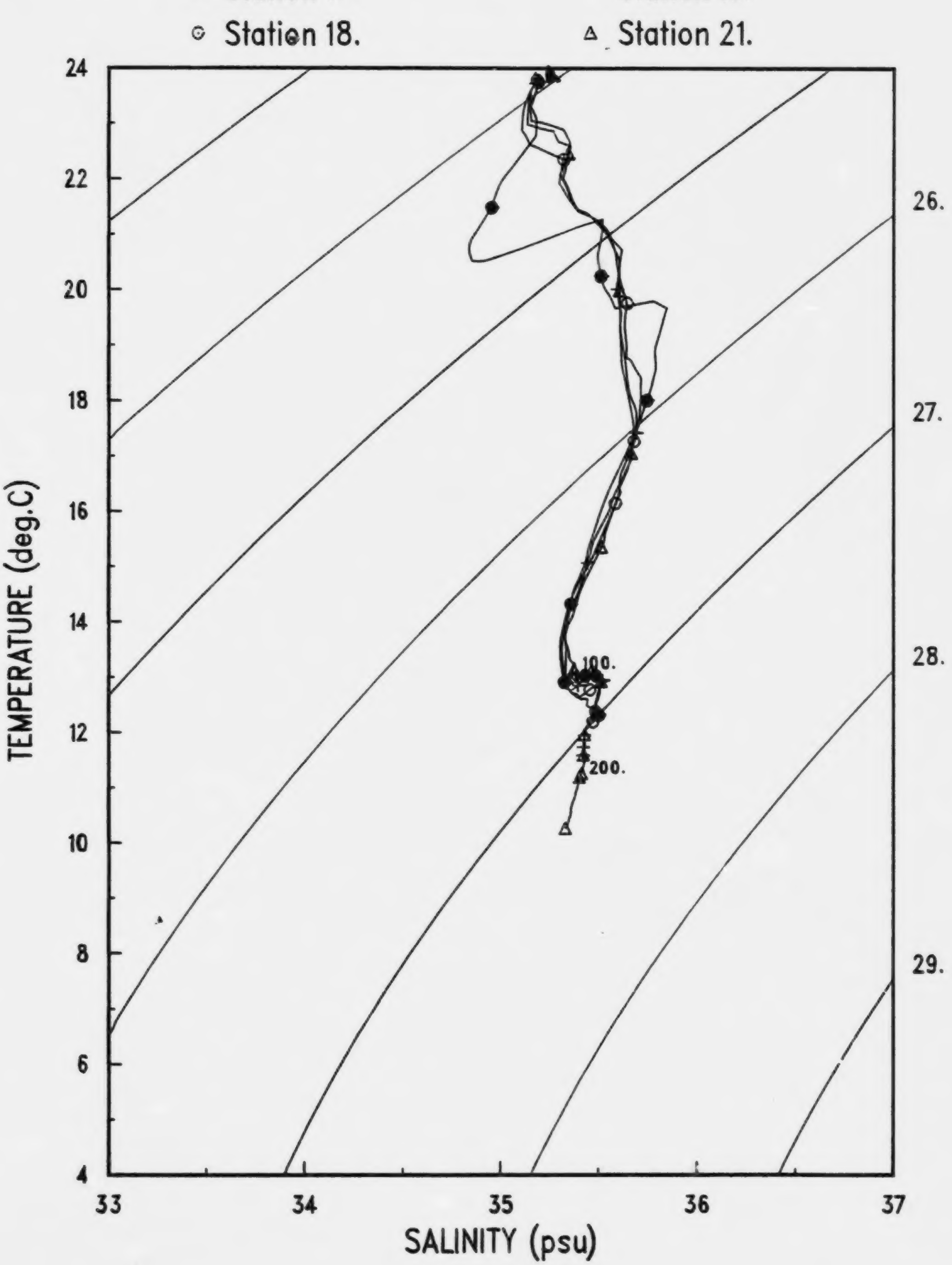
OC122--TS Diagram--Section 1



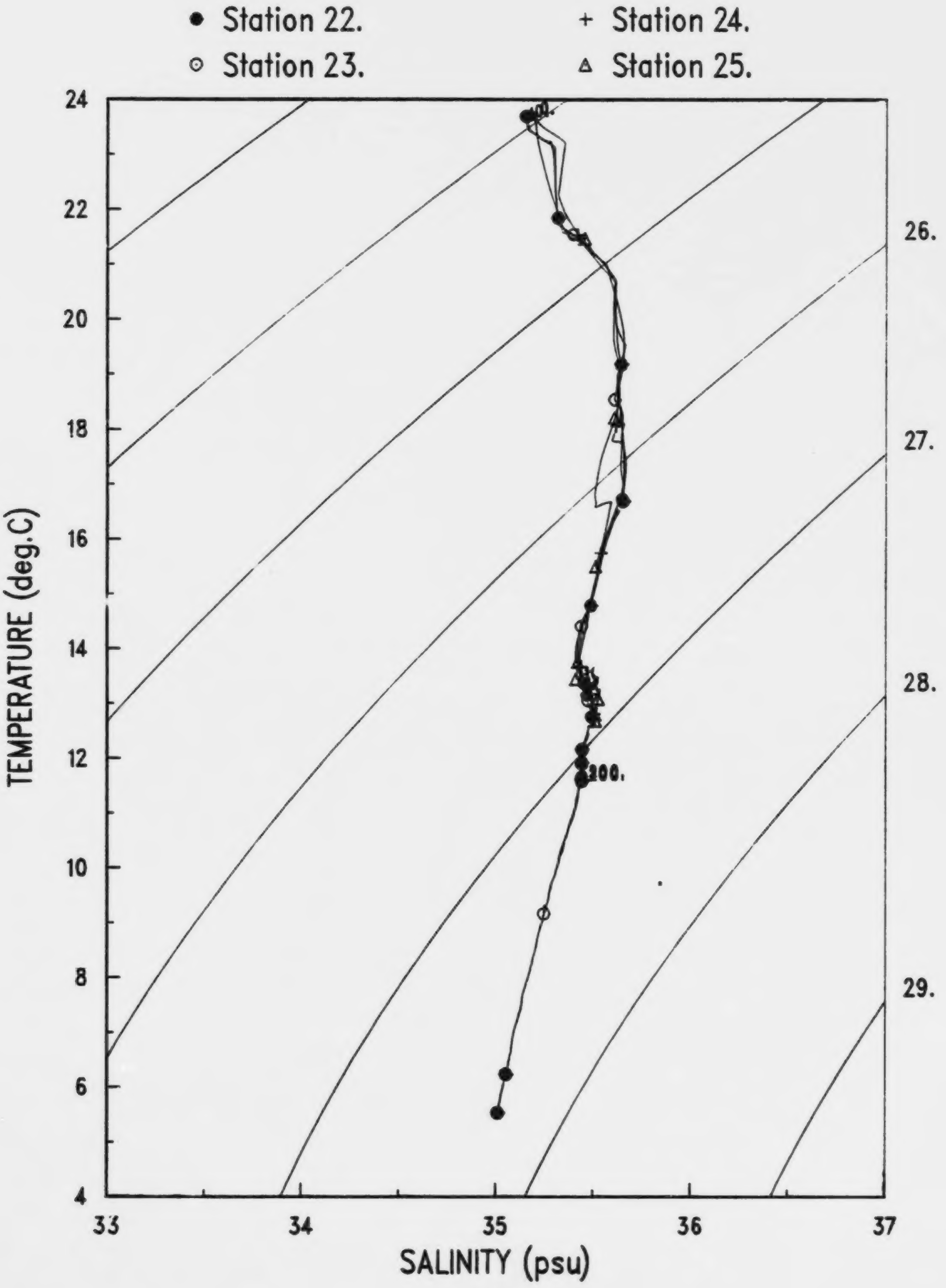


OC122--TS Diagram--Section 1

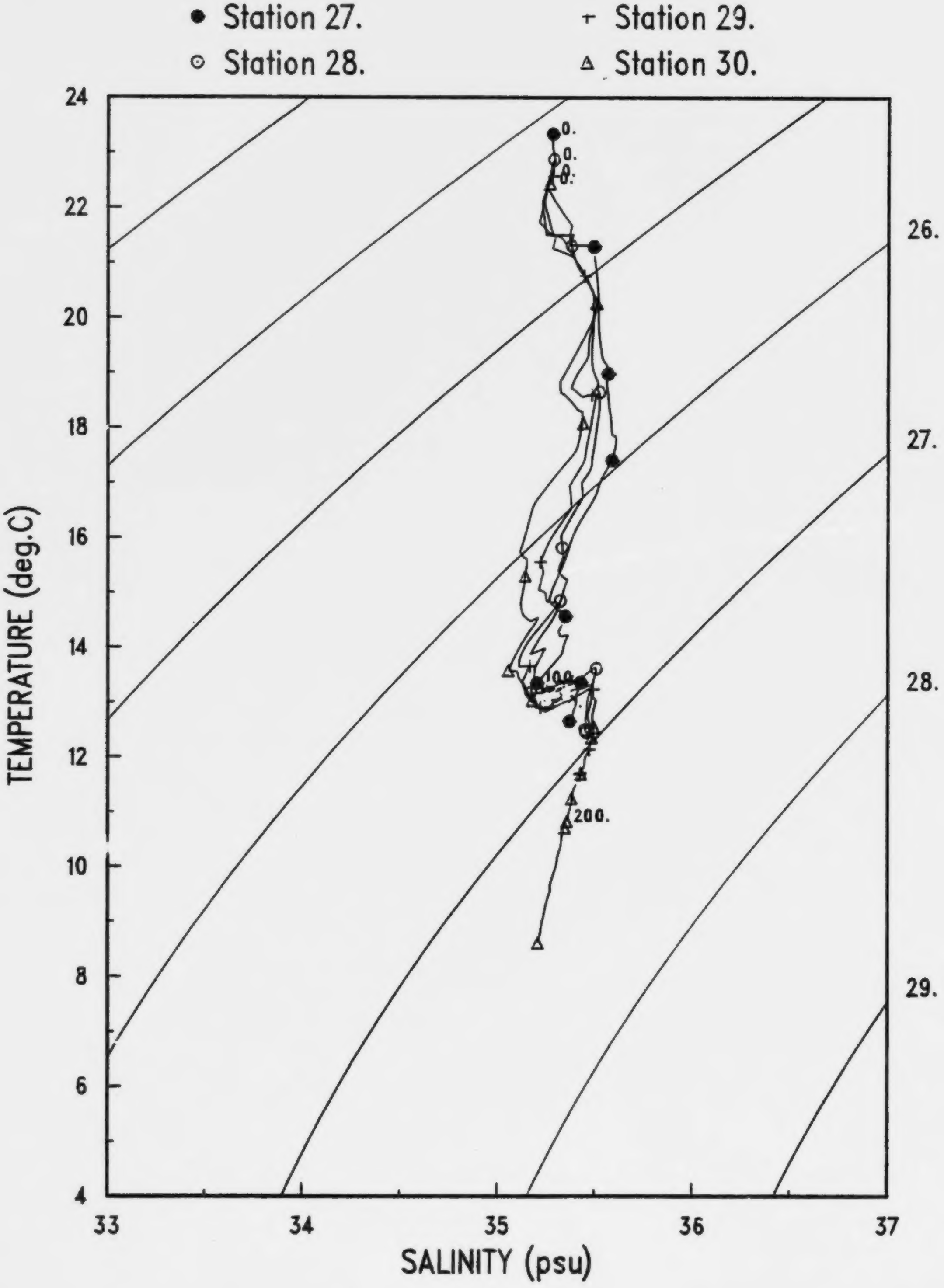
# OC122--TS Diagram--Section 2



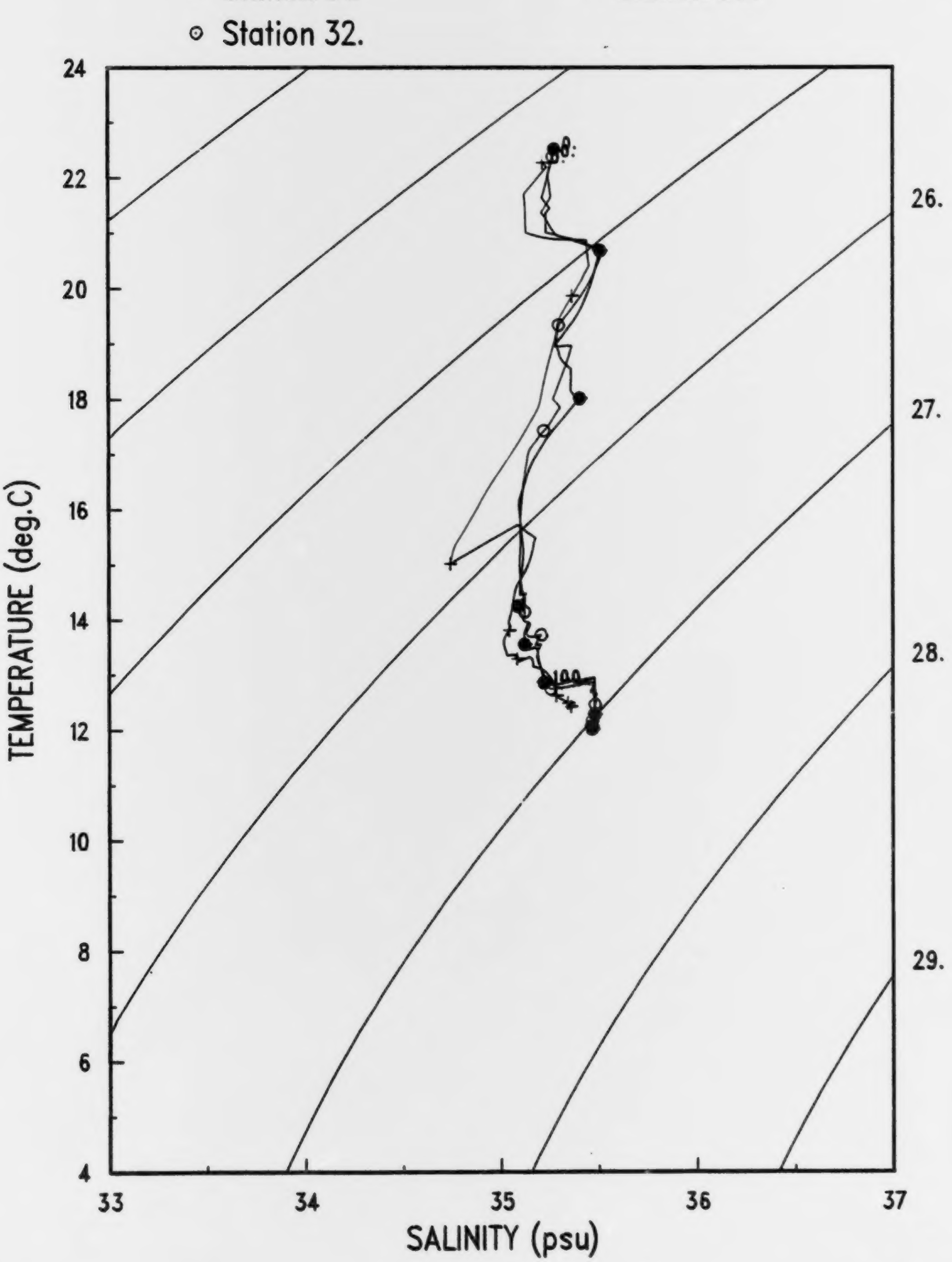
# OC122--TS Diagram--Section 2



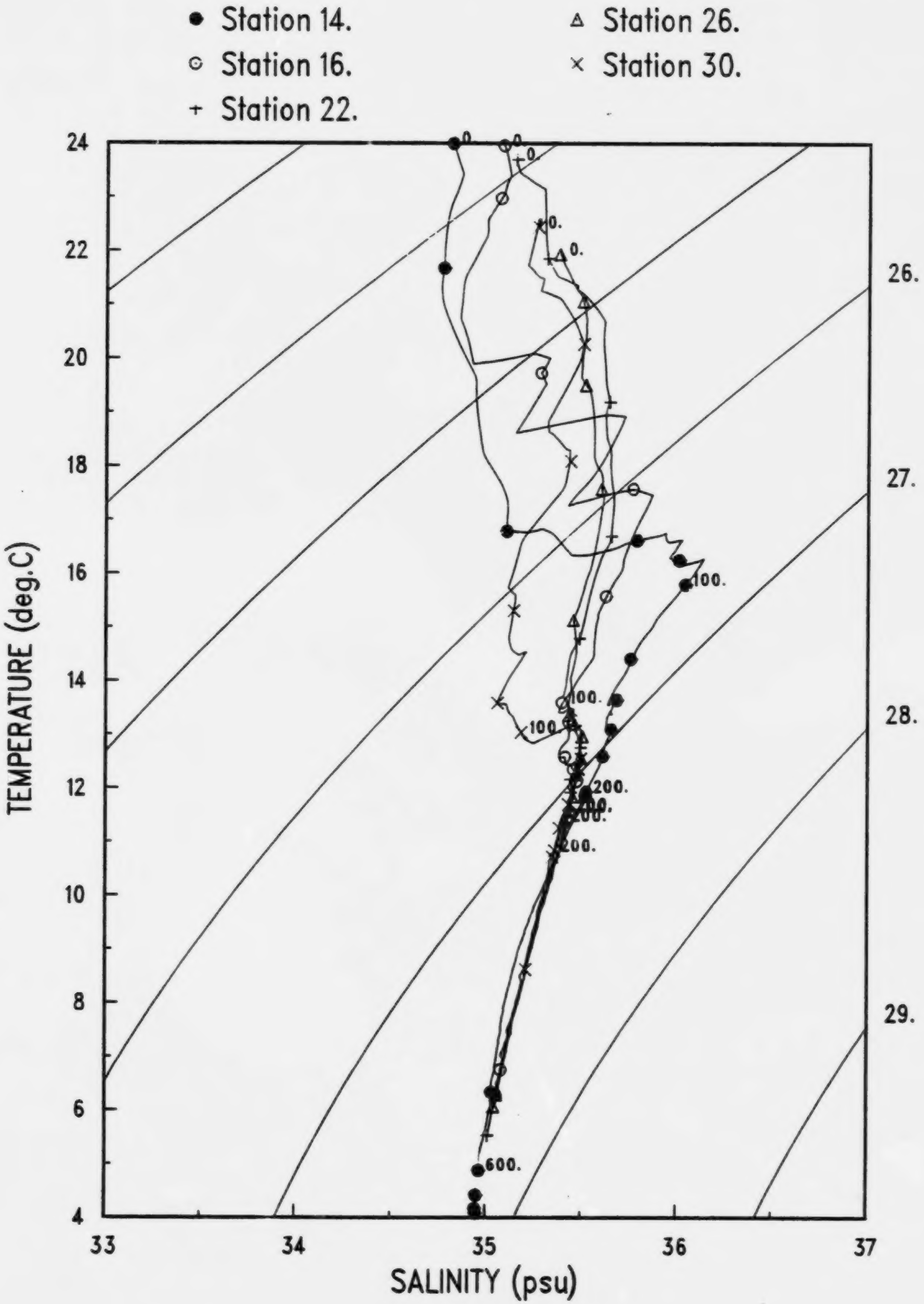
# OC122--TS Diagram--Section 3



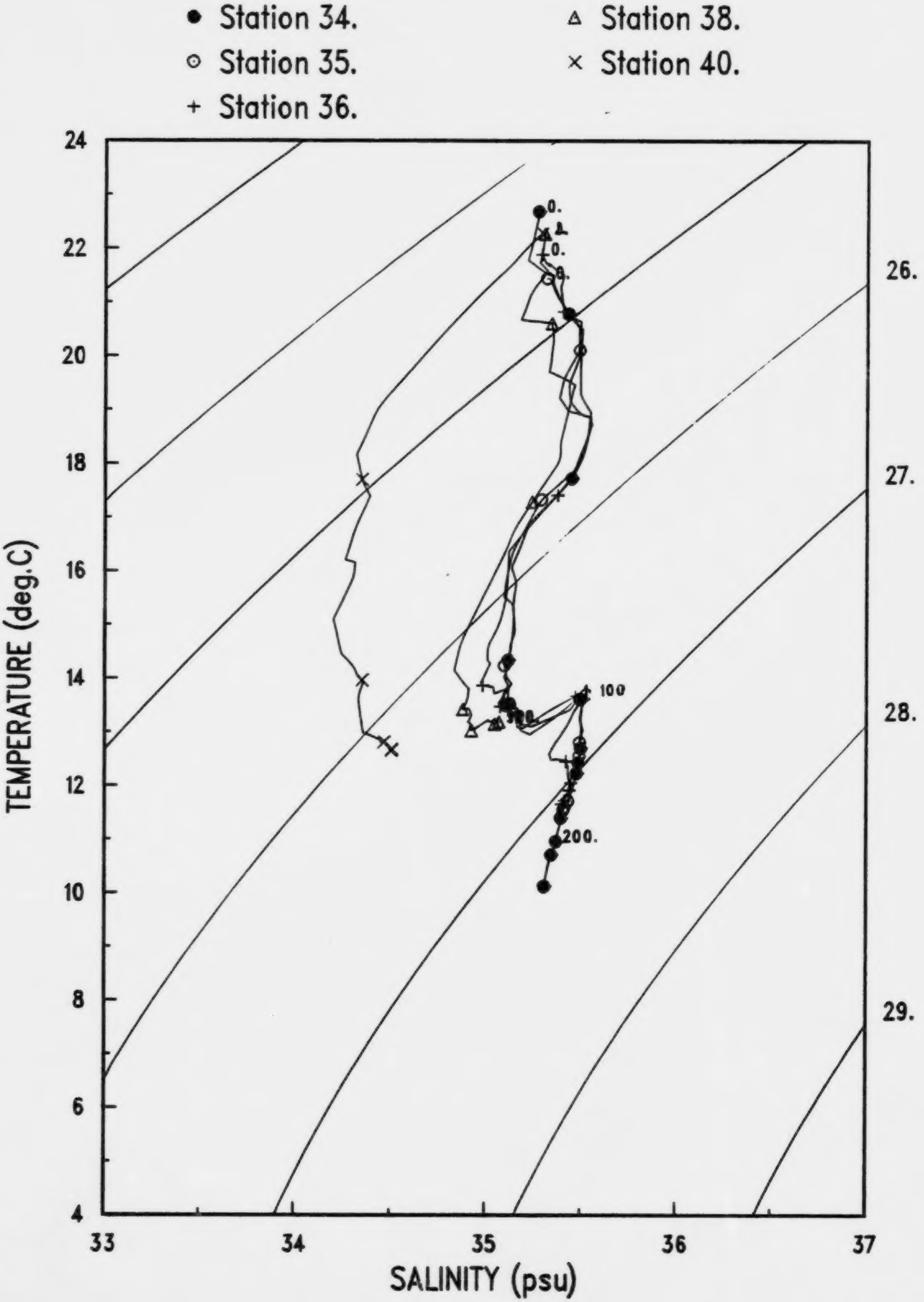
# OC122--TS Diagram--Section 3



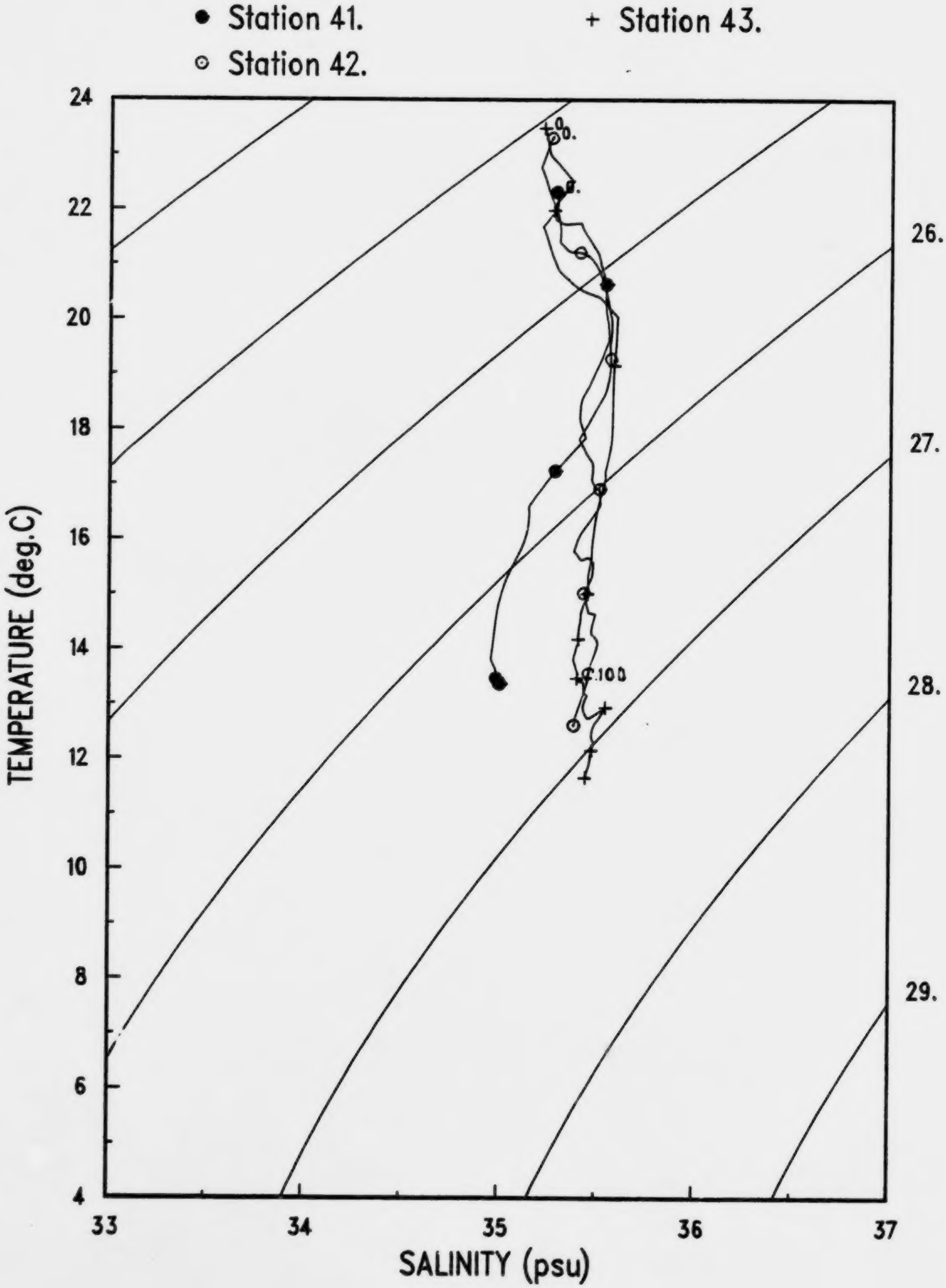
# OC122--TS Diagram--Section 4



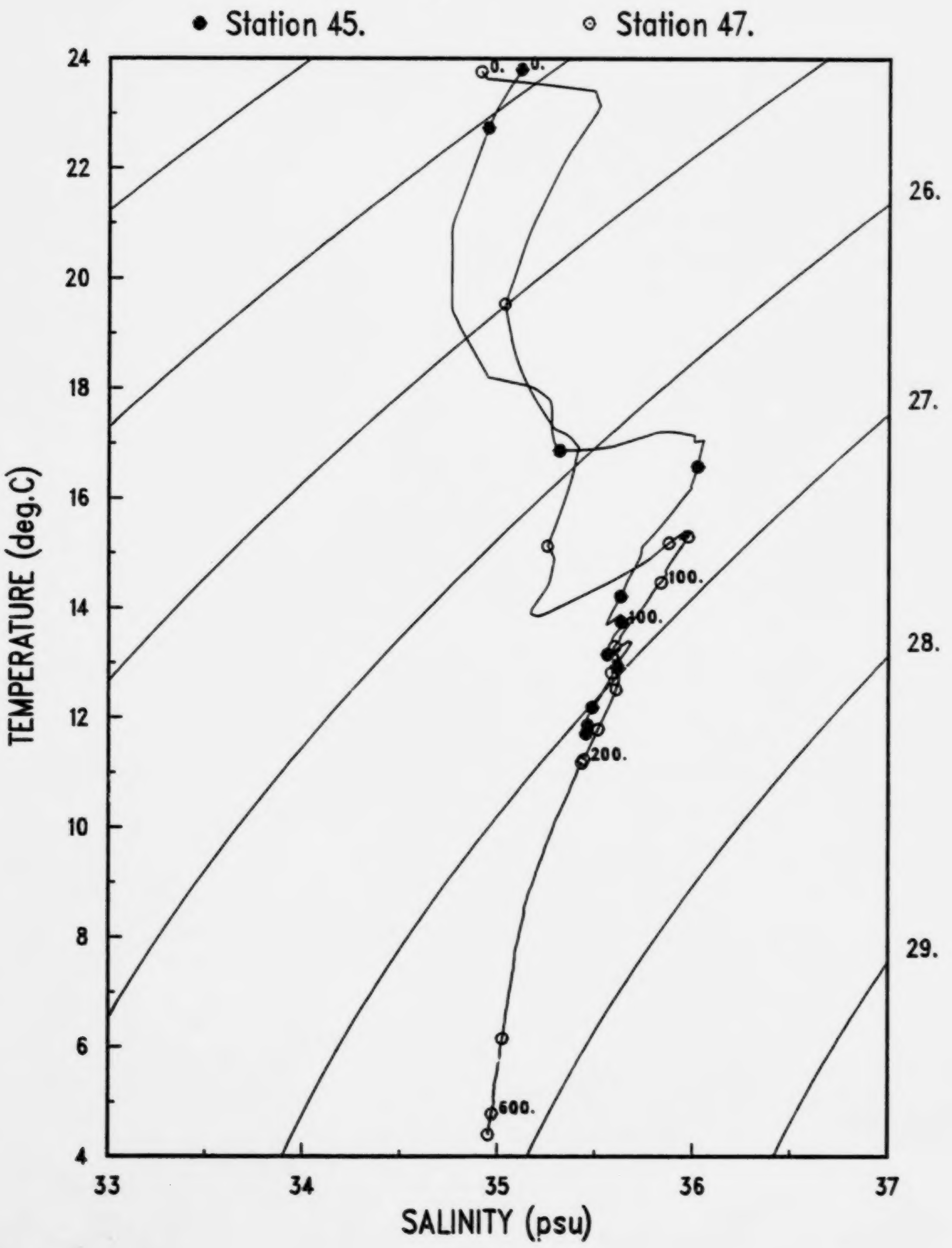
# OC122--TS Diagram--Section 4



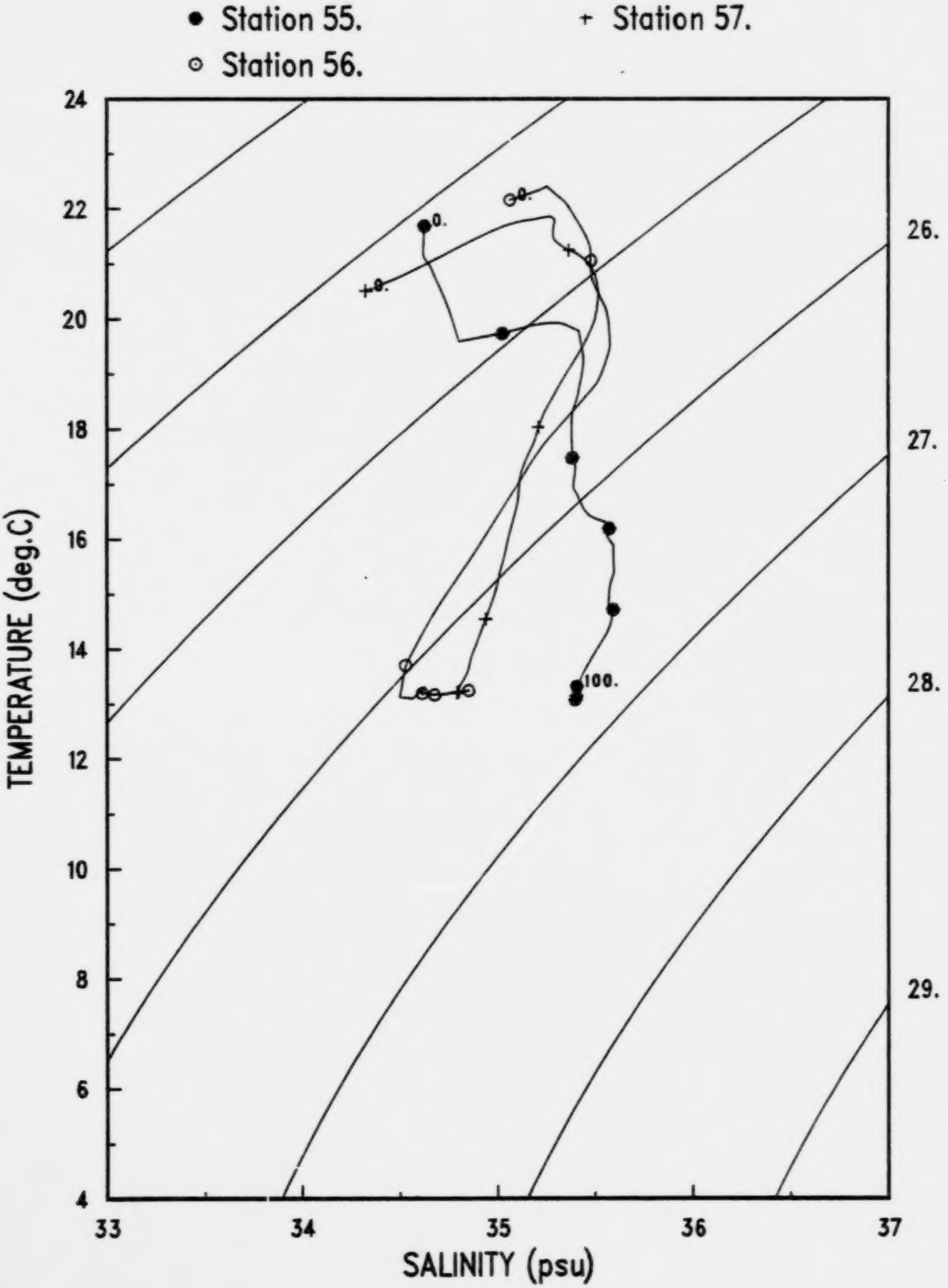
# OC122--TS Diagram--Section 5



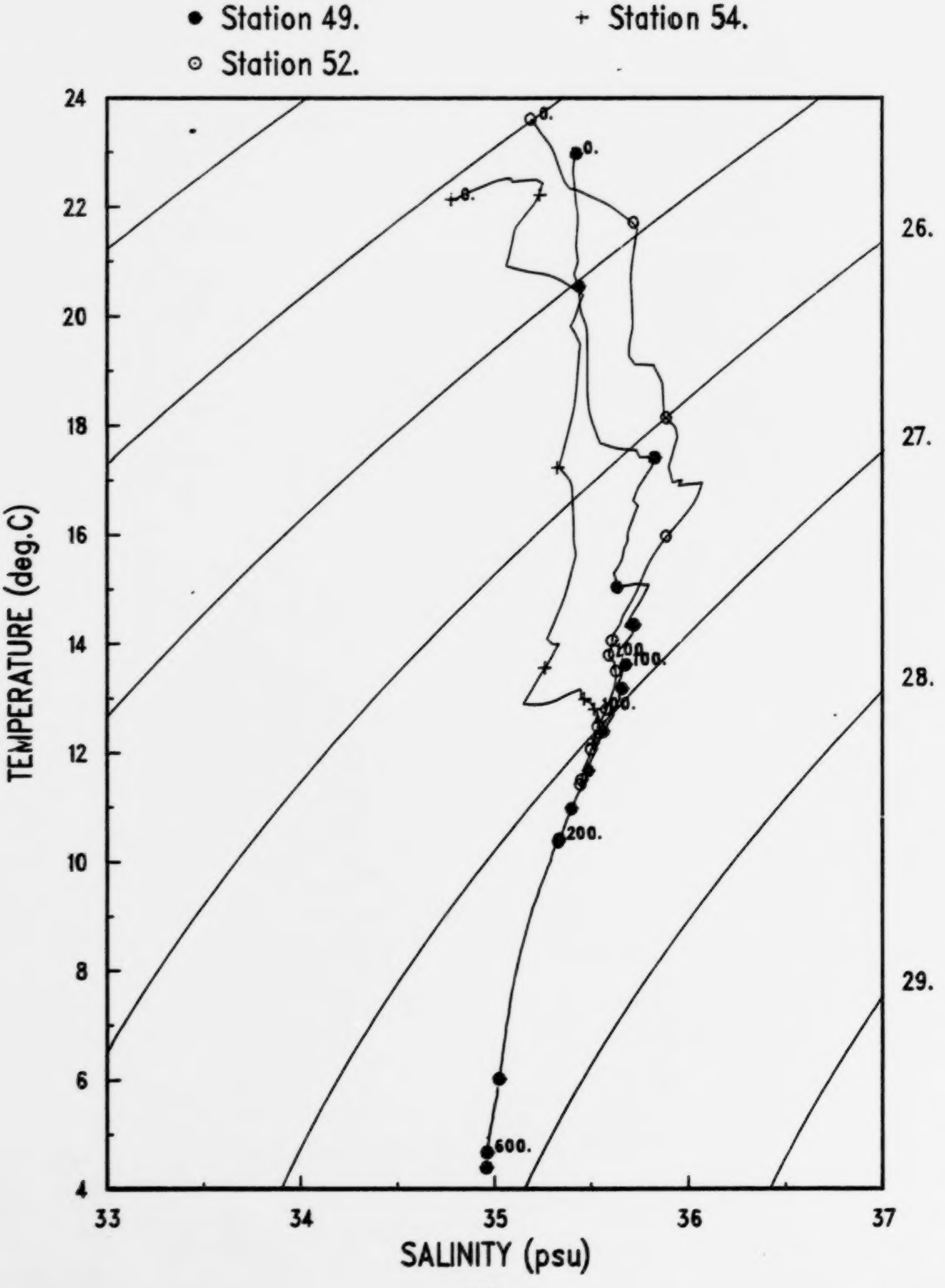
# OC122--TS Diagram--Section 5



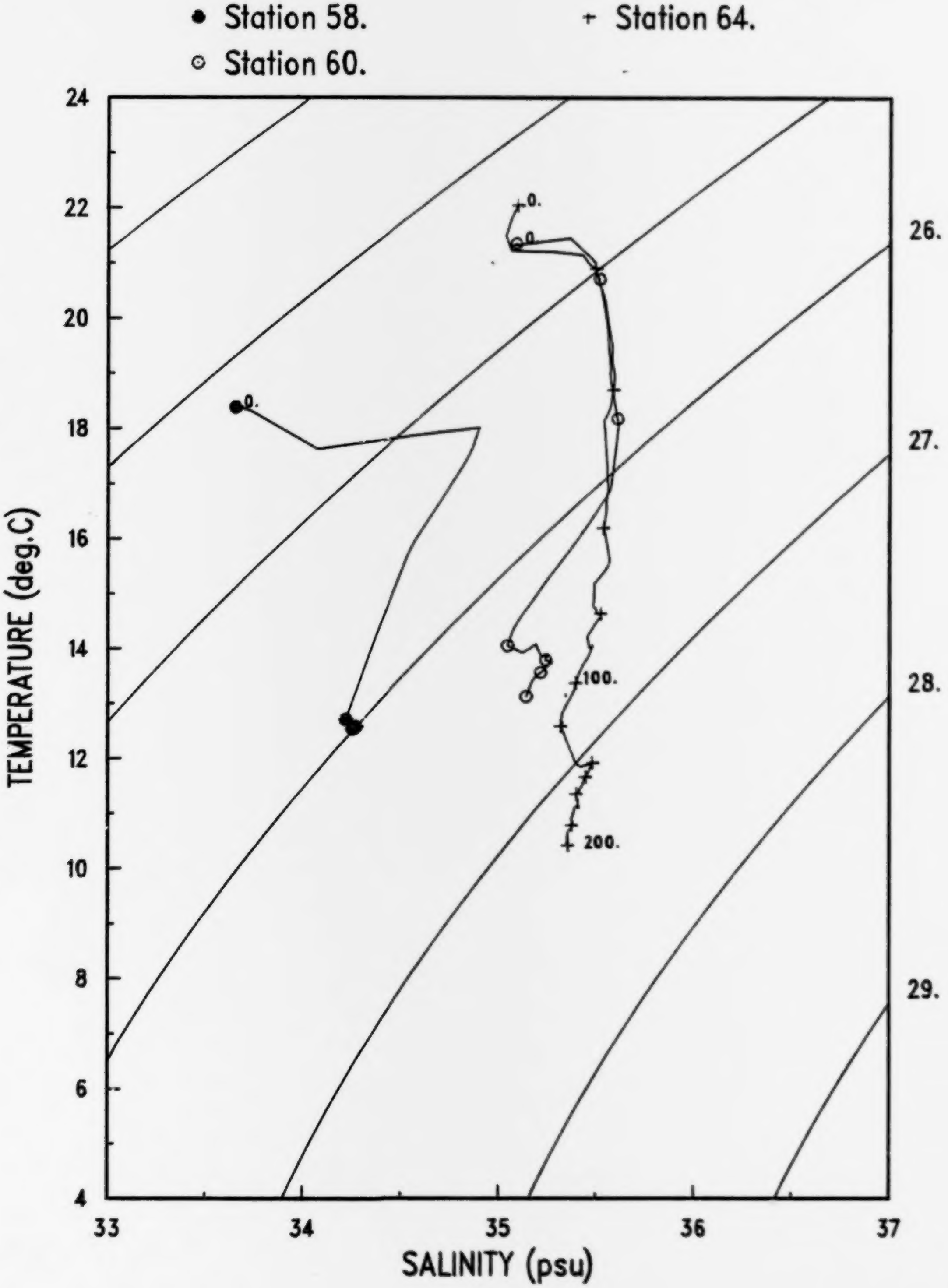
# OC122--TS Diagram--Section 6



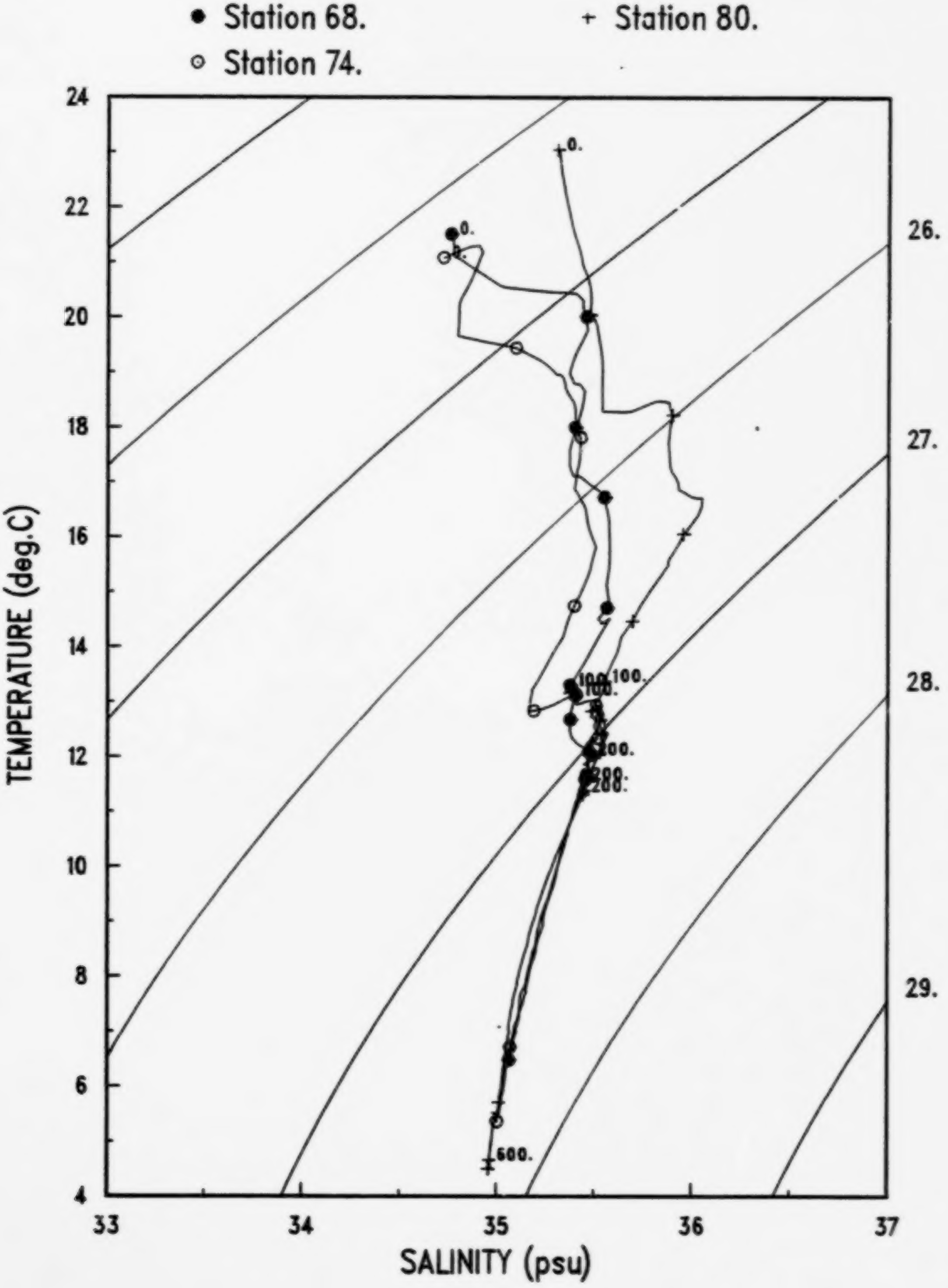
# OC122--TS Diagram--Section 6



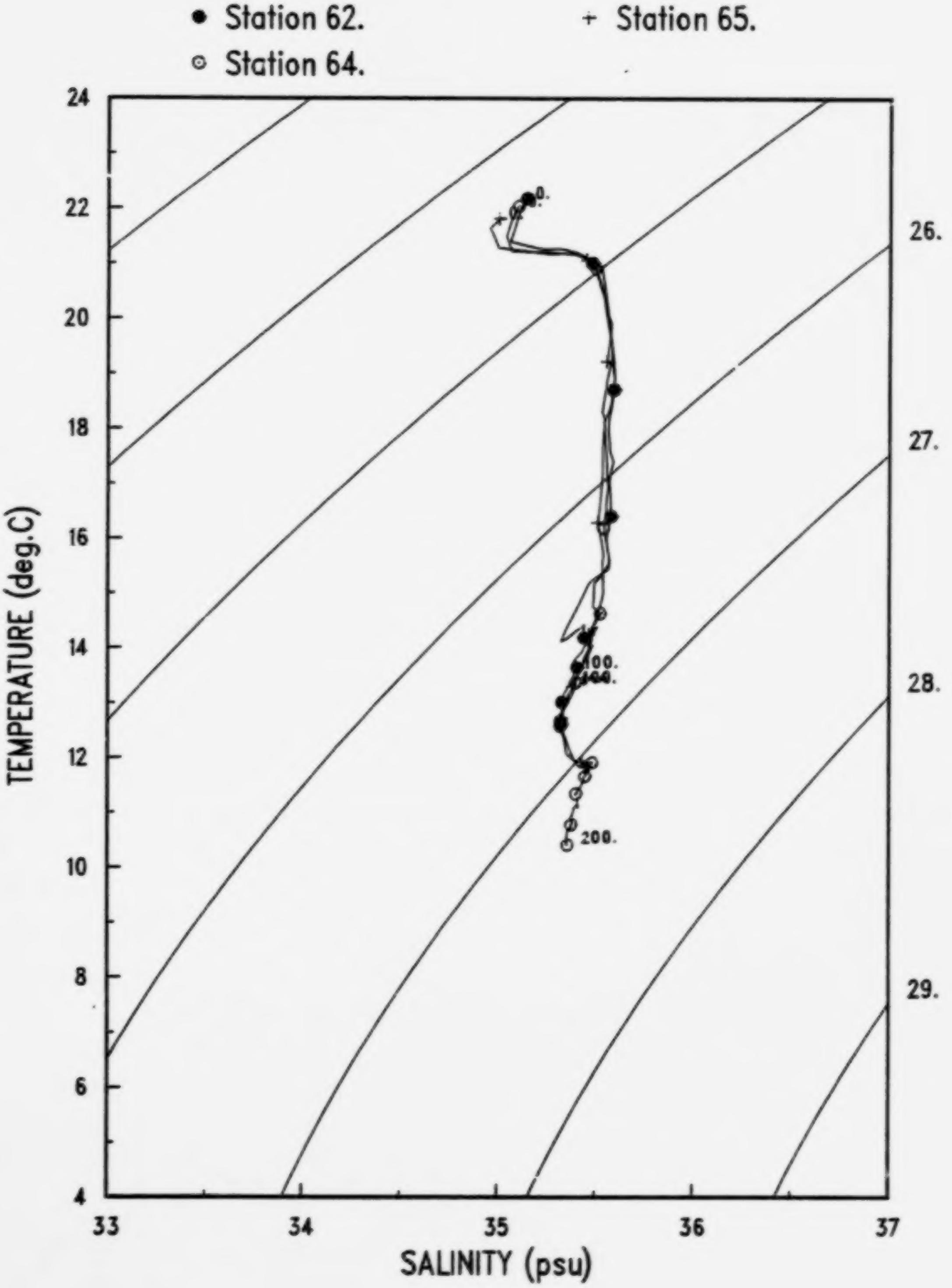
# OC122--TS Diagram--Section 7



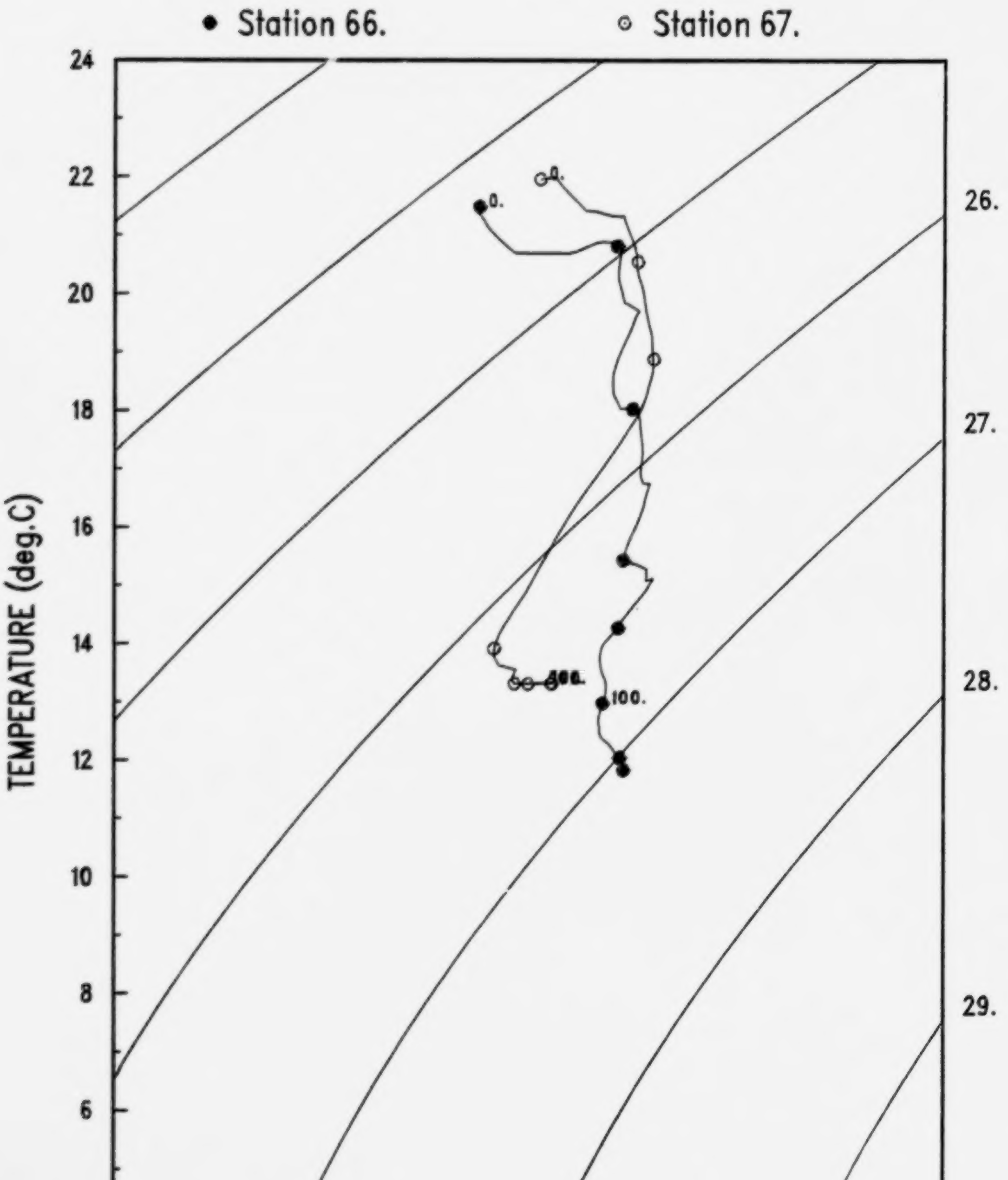
# OC122--TS Diagram--Section 7



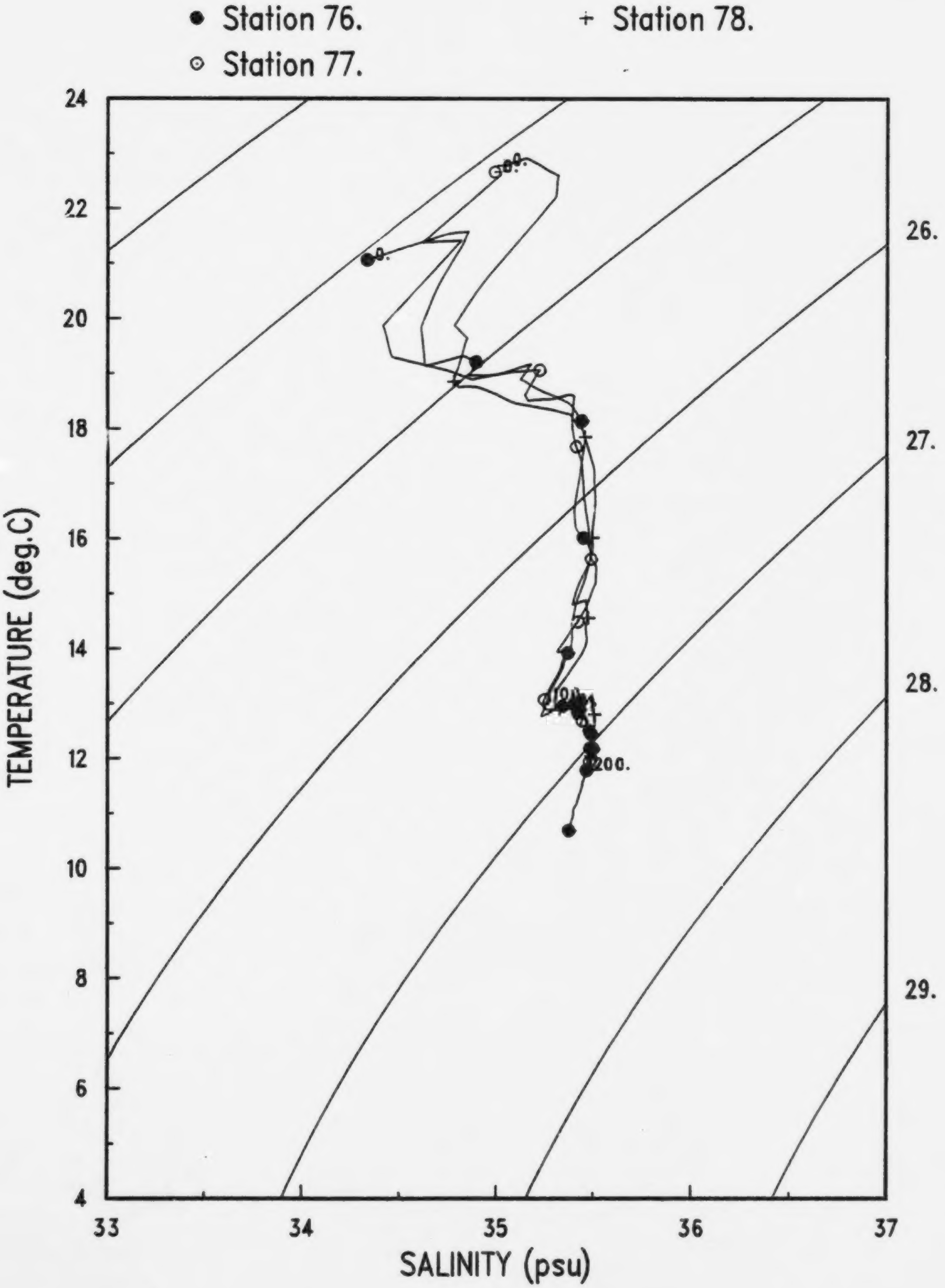
# OC122--TS Diagram--Section 8



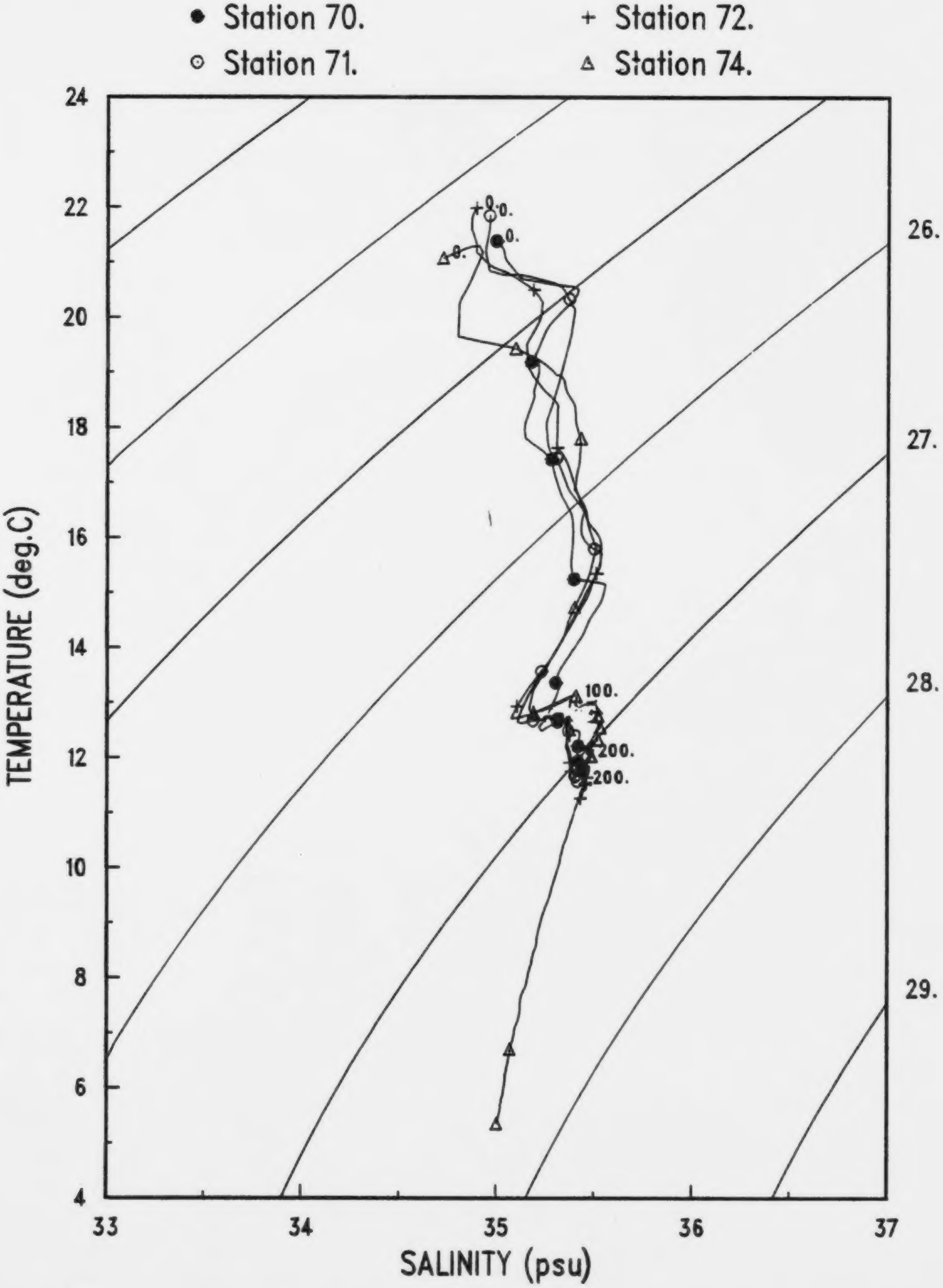
# OC122--TS Diagram--Section 8



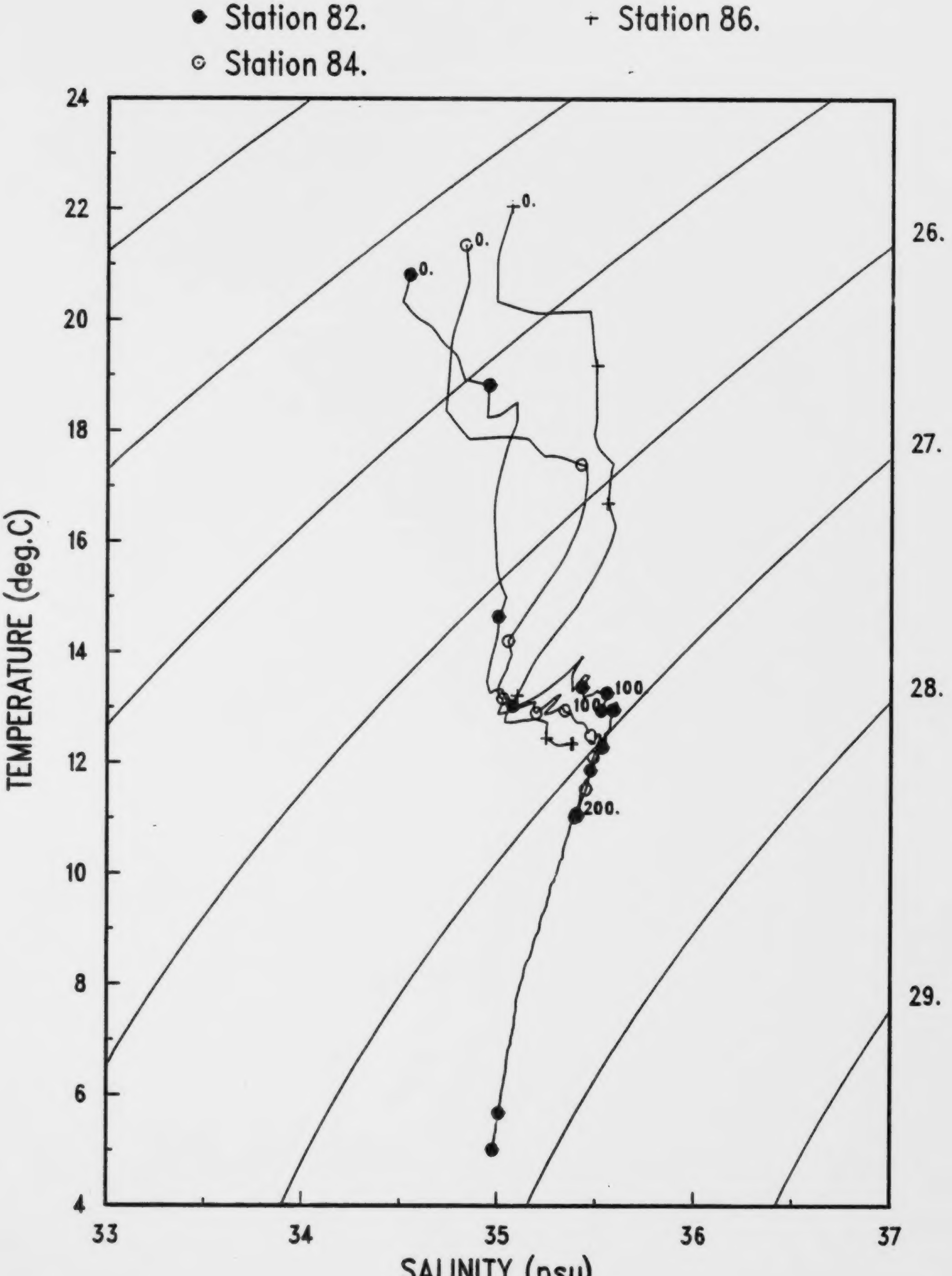
# OC122--TS Diagram--Section 9



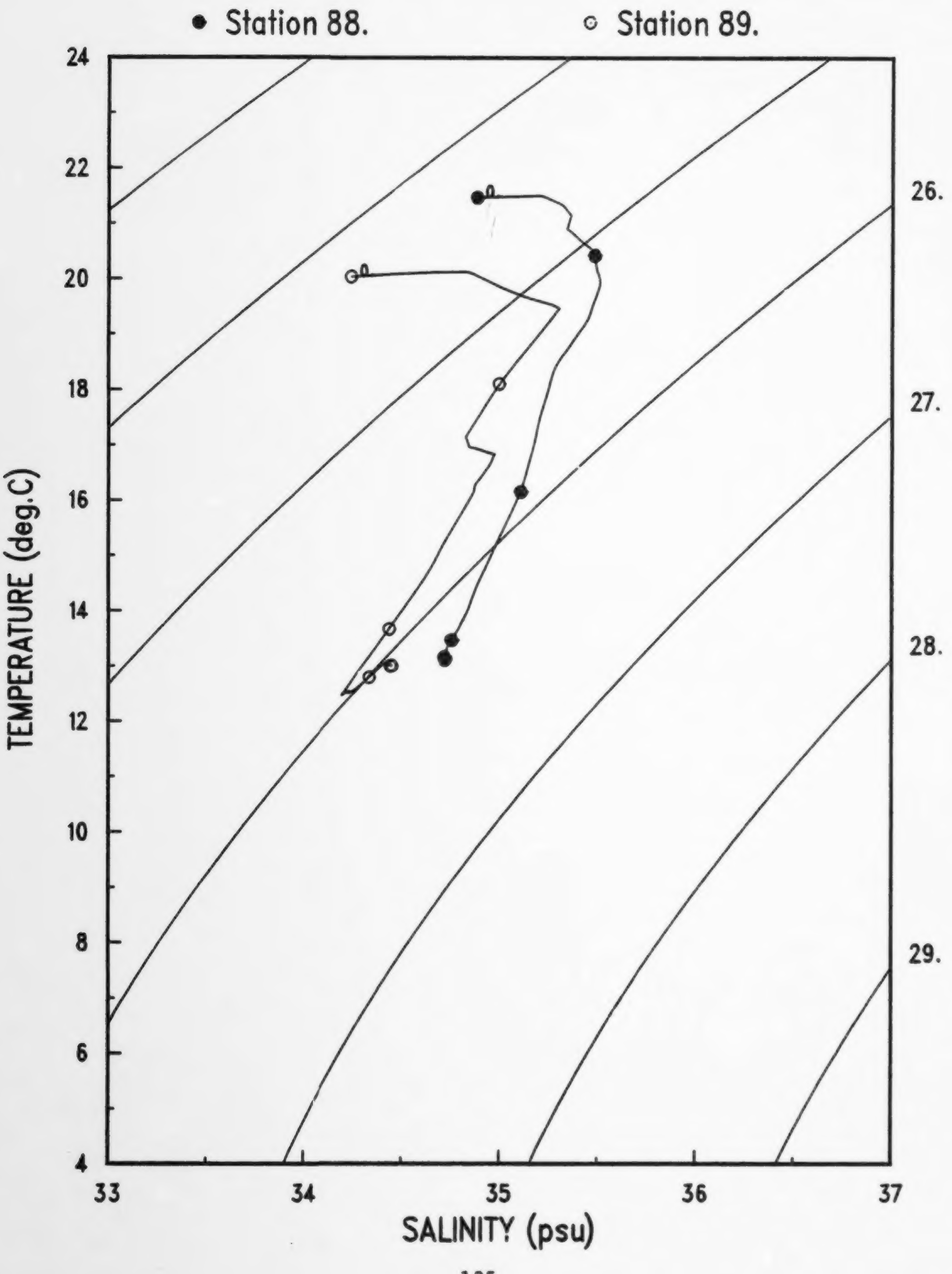
# OC122--TS Diagram--Section 9



# OC122--TS Diagram--Section 10

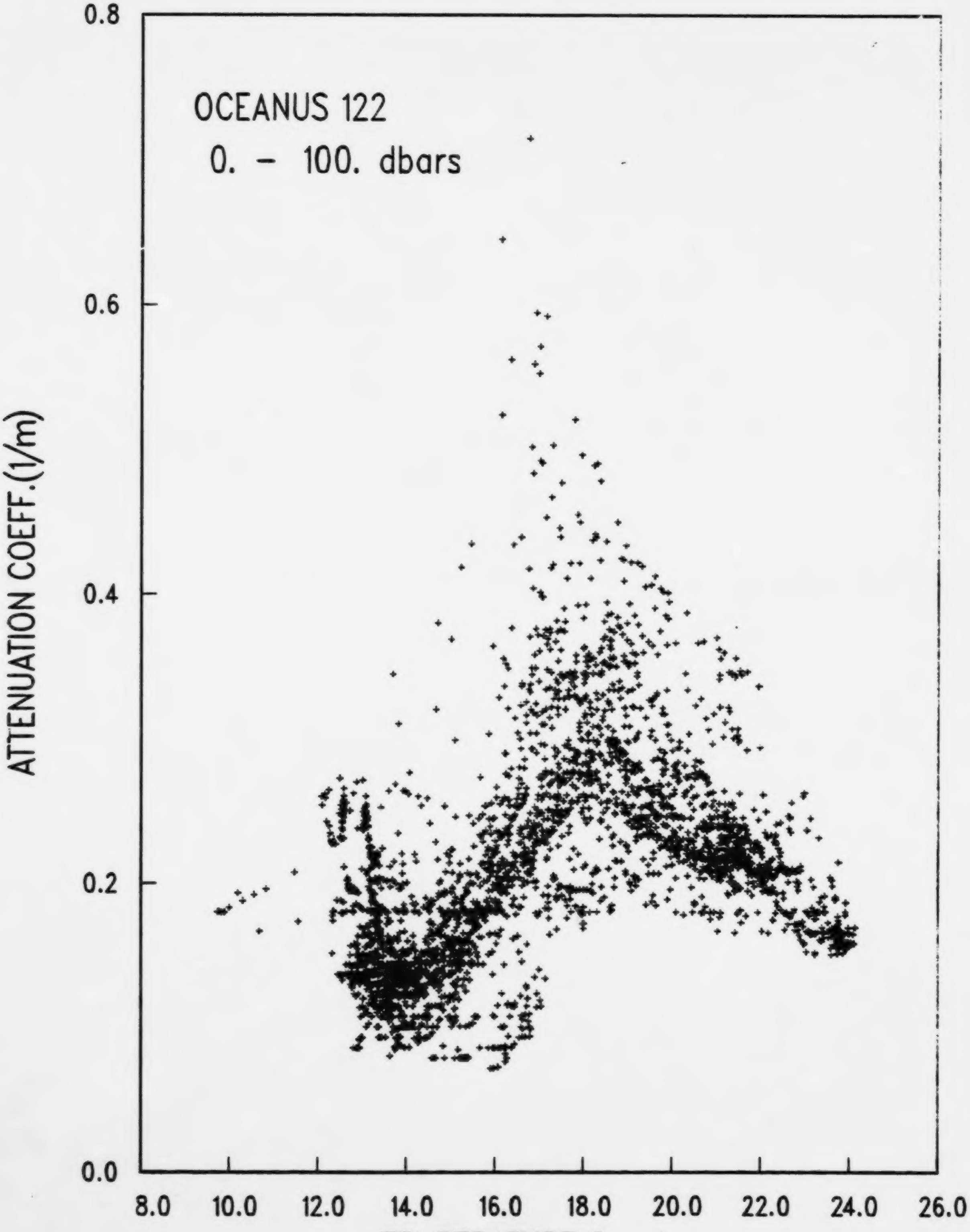


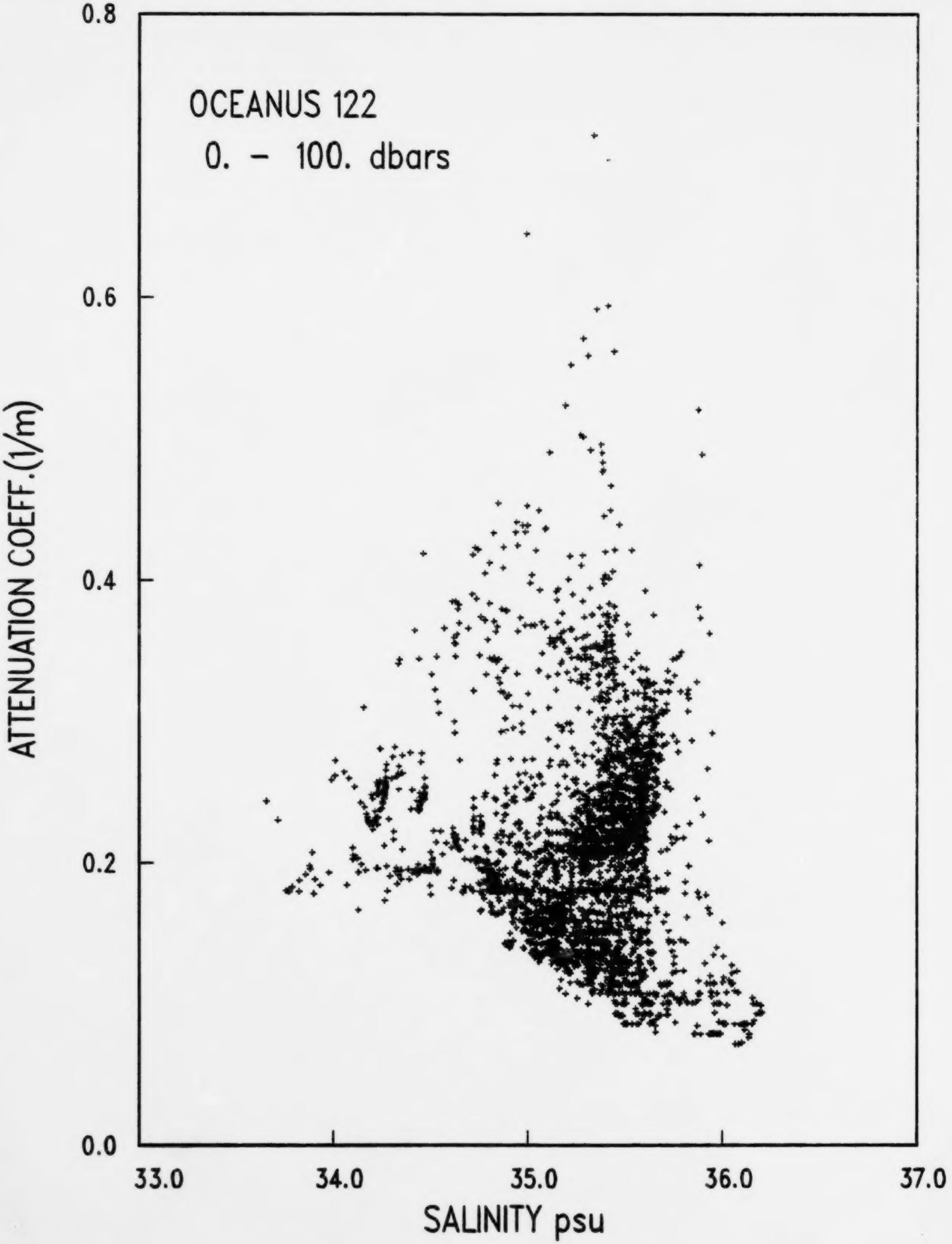
# OC122--TS Diagram--Section 10

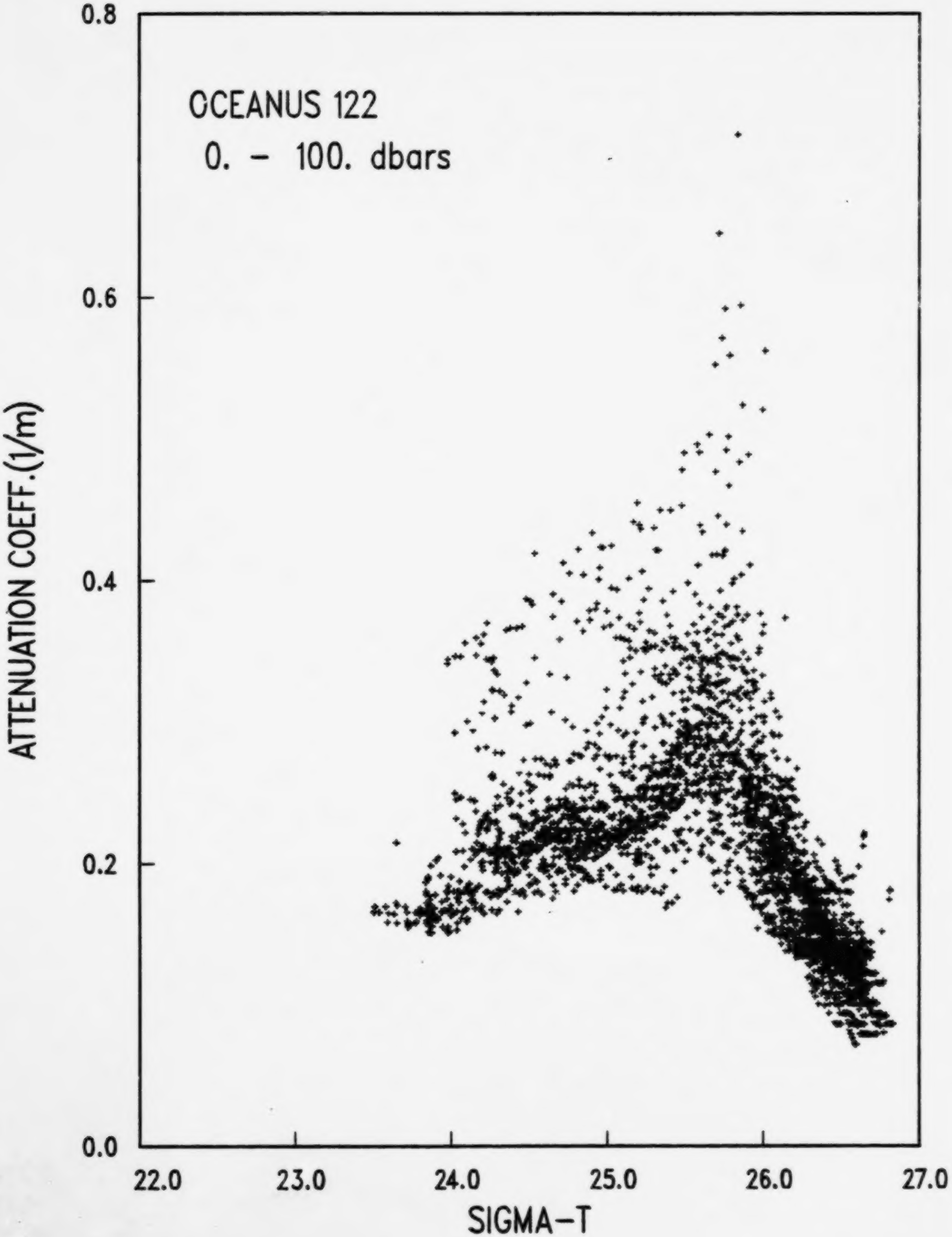


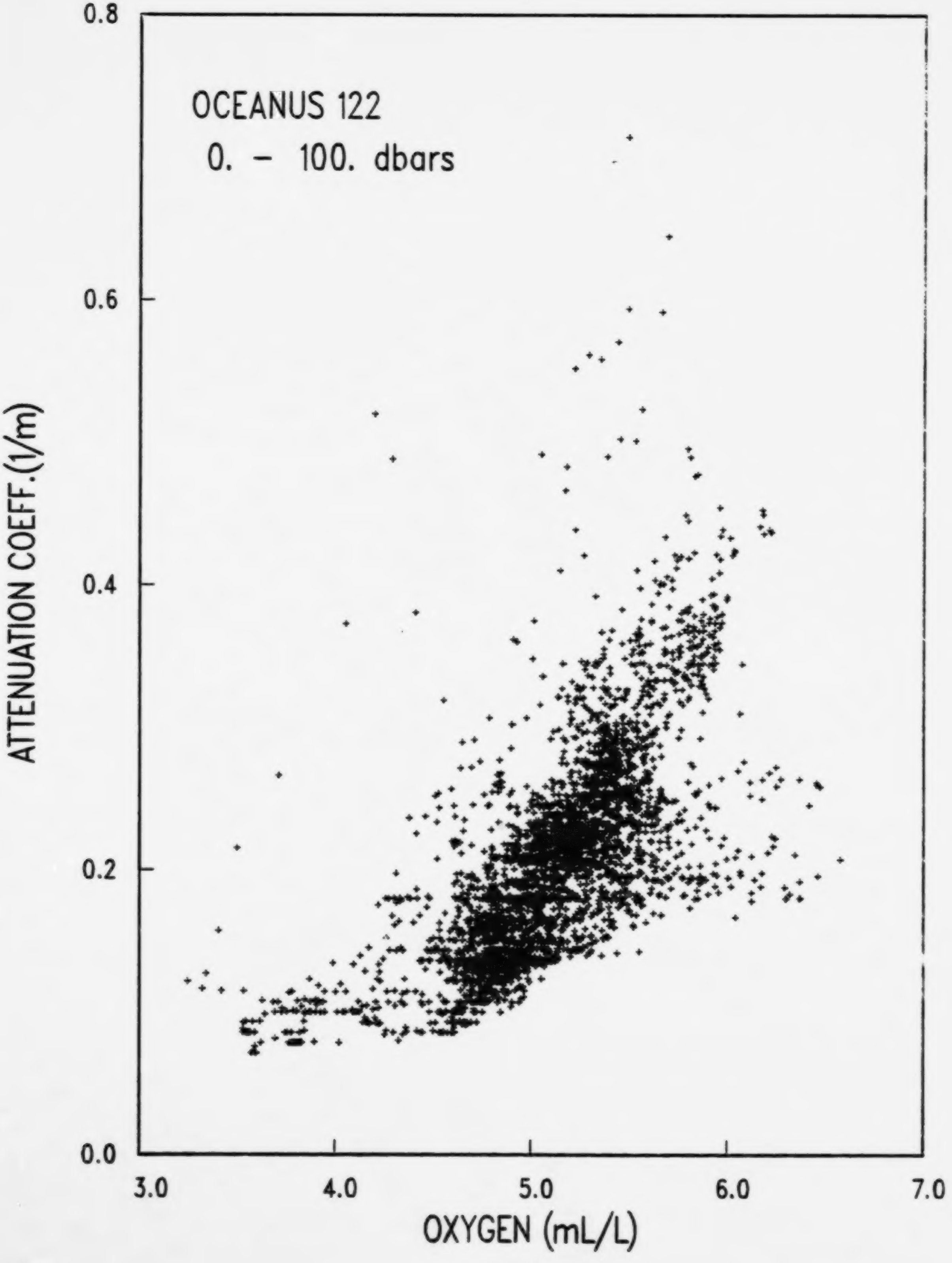
## Scatter plots

Plots of attenuation coefficient versus temperature, salinity, sigma-t and oxygen using data between 0 and 100 dbar from all CTD stations.


OCEANUS 122
0. - 100. dbars
ATTENUATION COEFF.(1/m)
TEMPERATURE C
0.8
0.6
0.4
0.2
0.0
8.0
10.0
12.0
14.0
16.0
18.0
20.0
22.0
24.0
26.0


OCEANUS 122
0. – 100. dbars
ATTENUATION COEFF.(1/m)
0.8
0.6
0.4
0.2
0.0
33.0
34.0
35.0
36.0
37.0
SALINITY psu

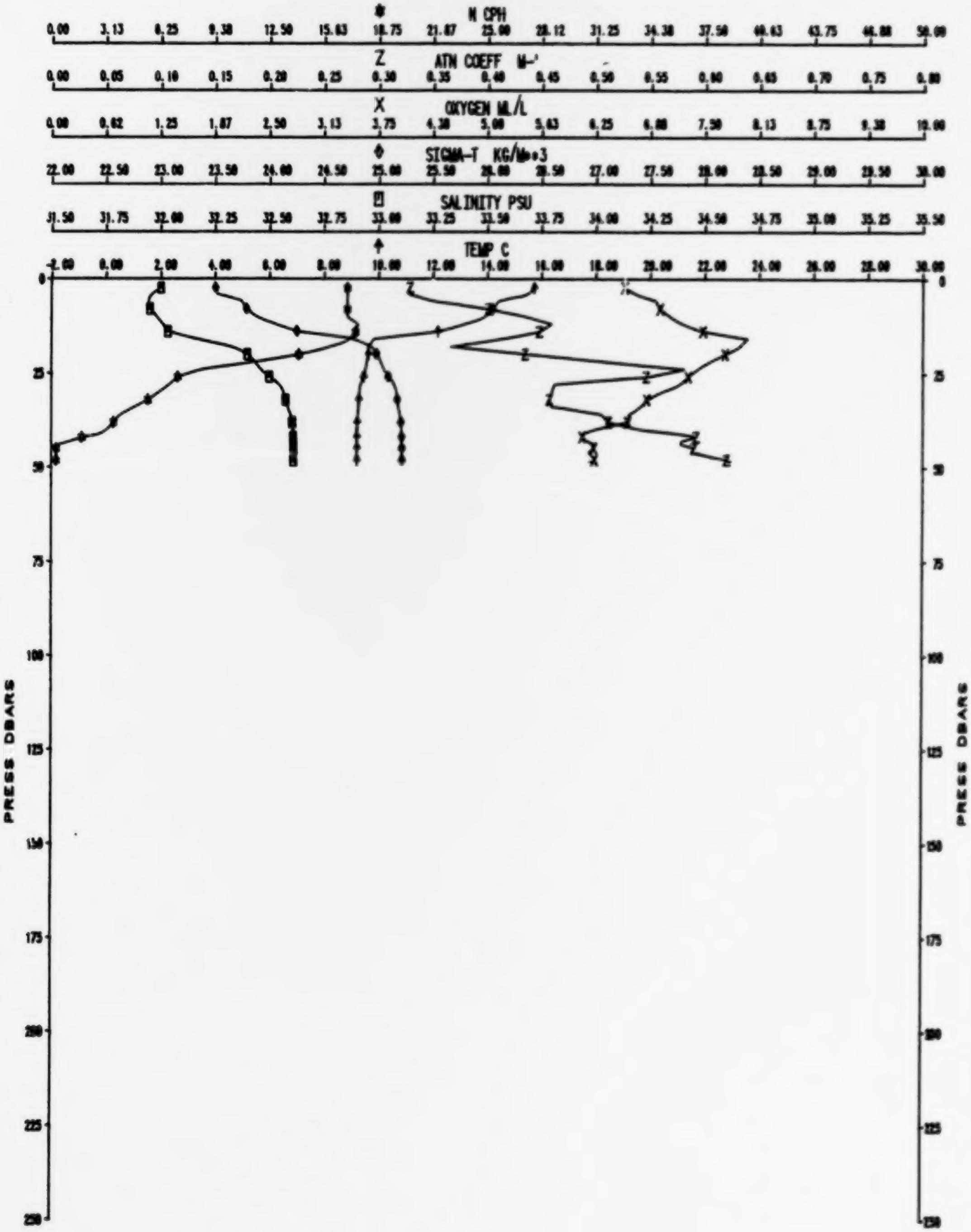

OCEANUS 122
0. - 100. dbars
ATTENUATION COEFF.(1/m)
0.8
0.6
0.4
0.2
0.0
22.0
23.0
24.0
25.0
26.0
27.0
SIGMA-T


OCEANUS 122
0. - 100. dbars
ATTENUATION COEFF.(1/m)
0.8
0.6
0.4
0.2
0.0
3.0
4.0
5.0
6.0
7.0
OXYGEN (mL/L)

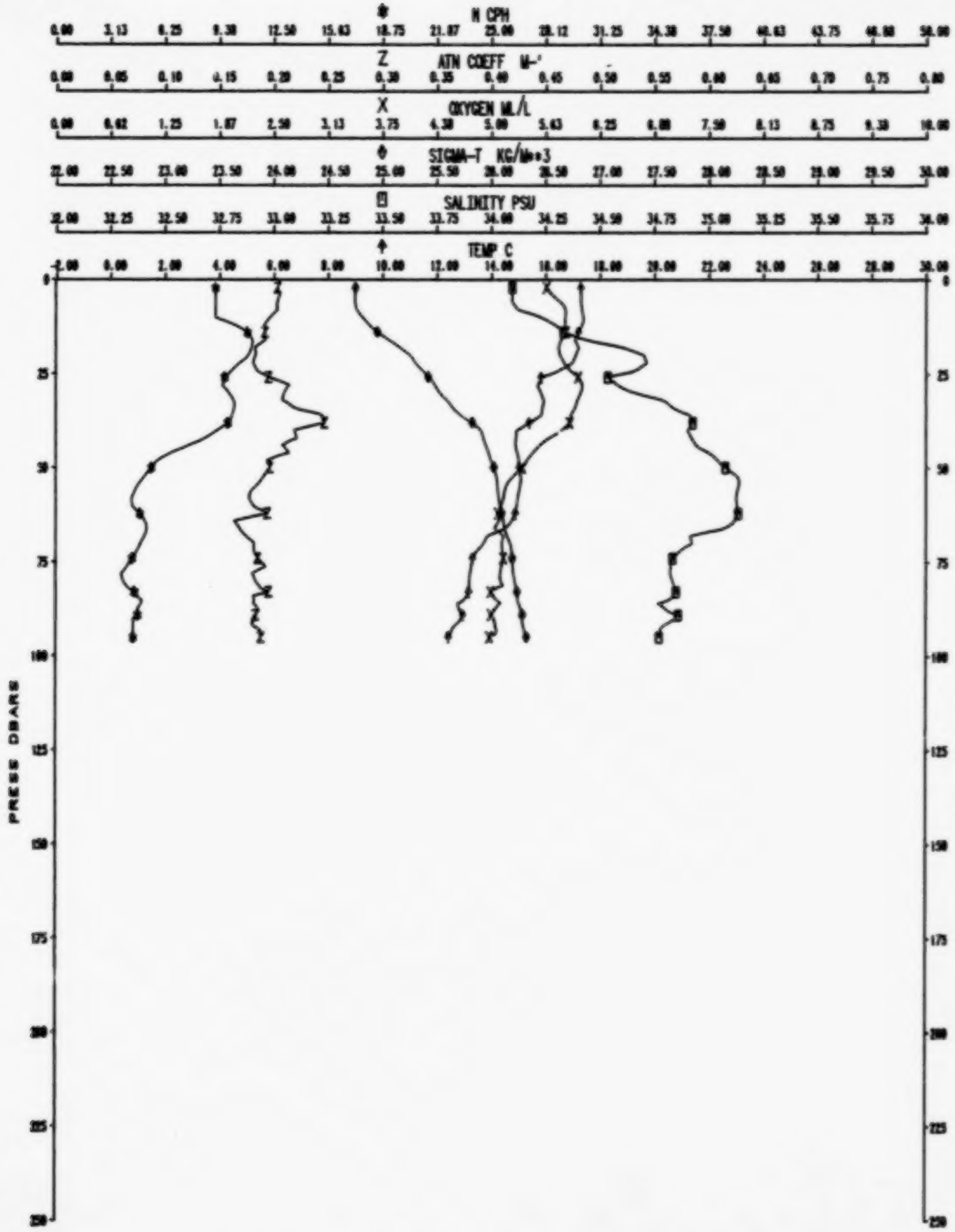
## Station profiles

Vertical profiles of temperature, salinity, sigma-t, oxygen, attenuation coefficient, and Brunt-Vaisala frequency at each station figures 70-157. The profiles are drawn using the 2-dbar-averaged data; at approximately 10 dbars above the bottom, the averaging interval becomes 1 dbar. The data are listed in Appendix I. The different symbols used to distinguish variables are shown on each variable axis. XBT profiles are limited to 500 m. The units of salinity are practical salinity units (psu) and are defined by Lewis (1980). Station 20 was an upcast for station 19 so it is not included.

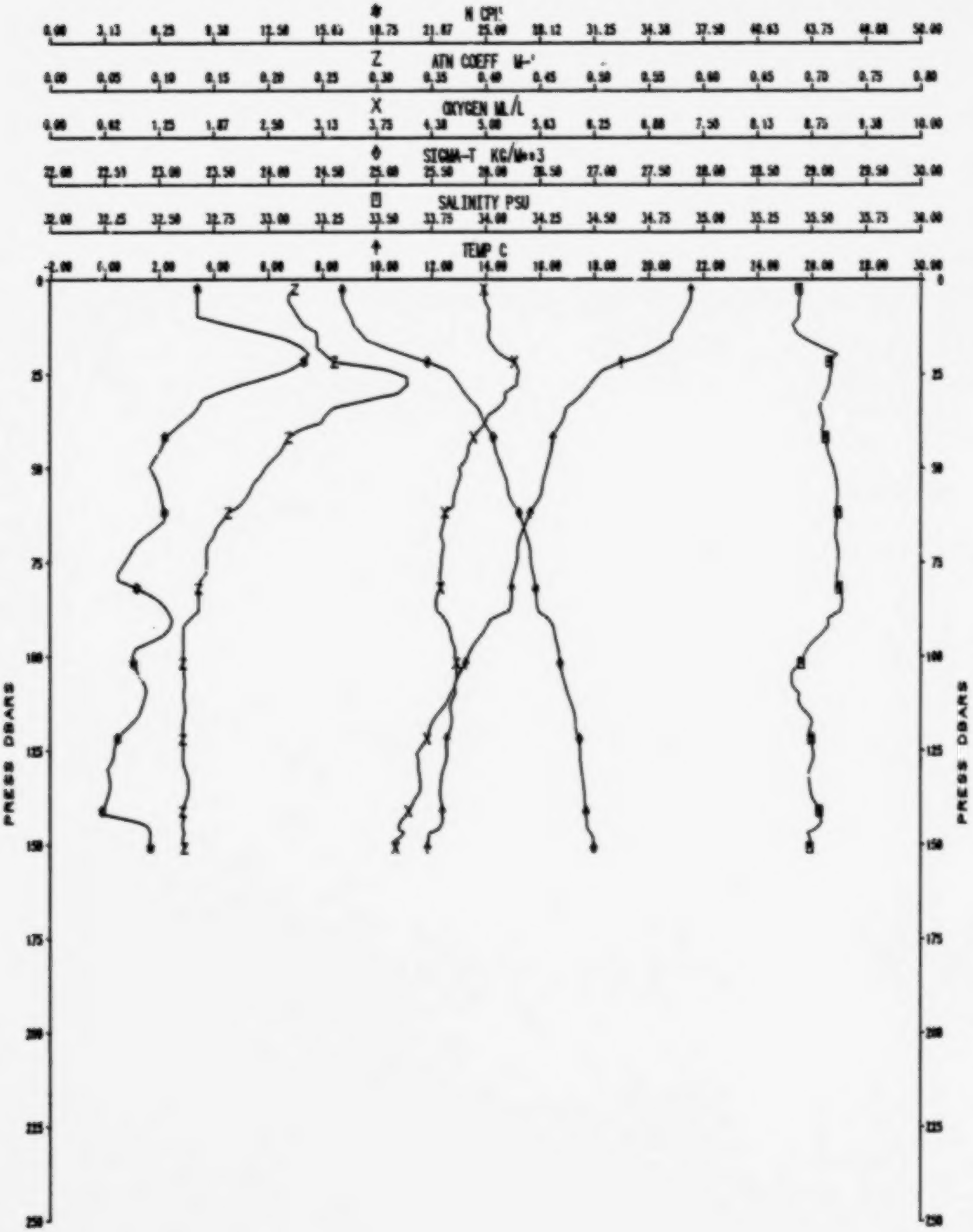
OC122A CAST #1



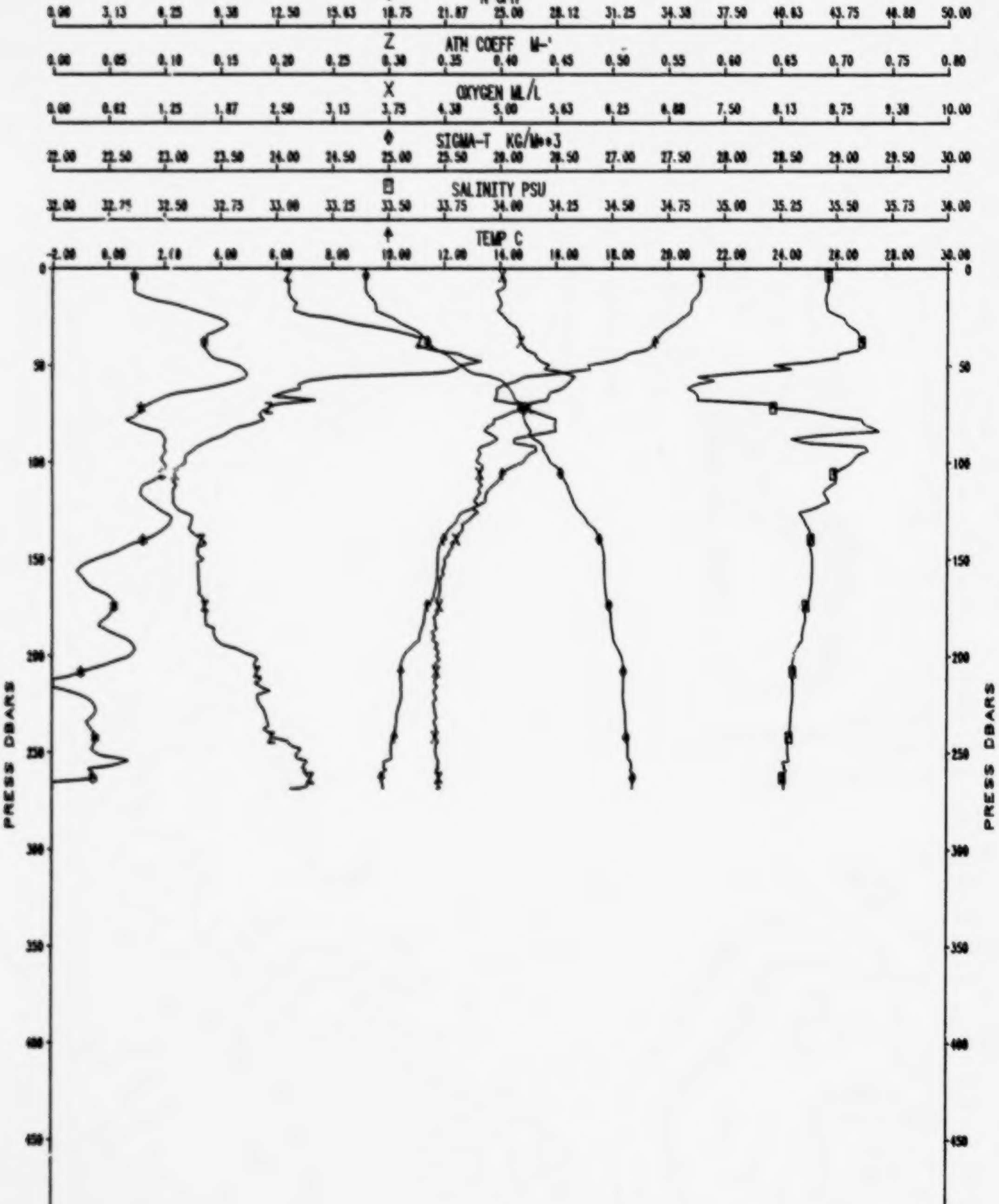
## OC122A CAST #2



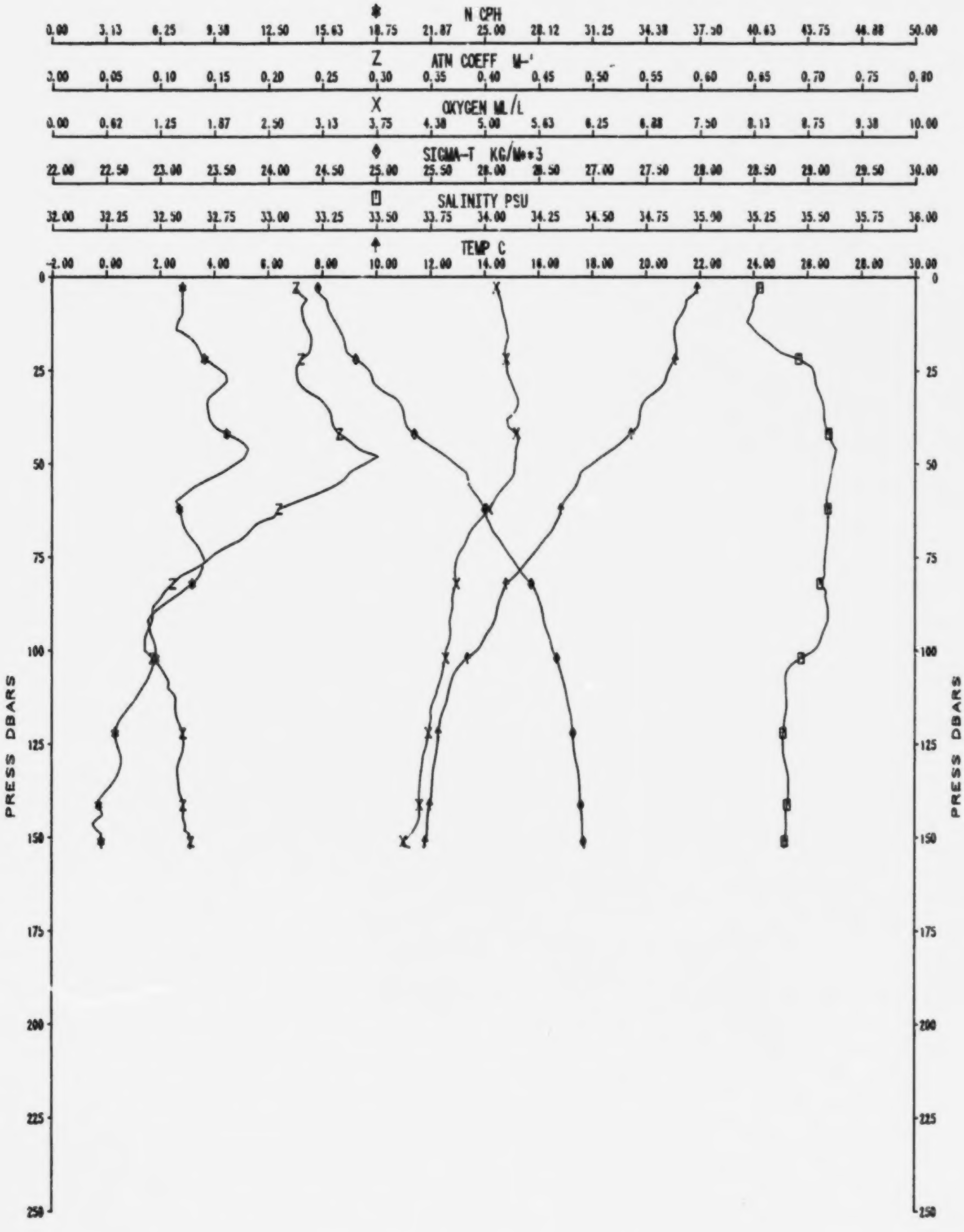
## OC122A CAST #3



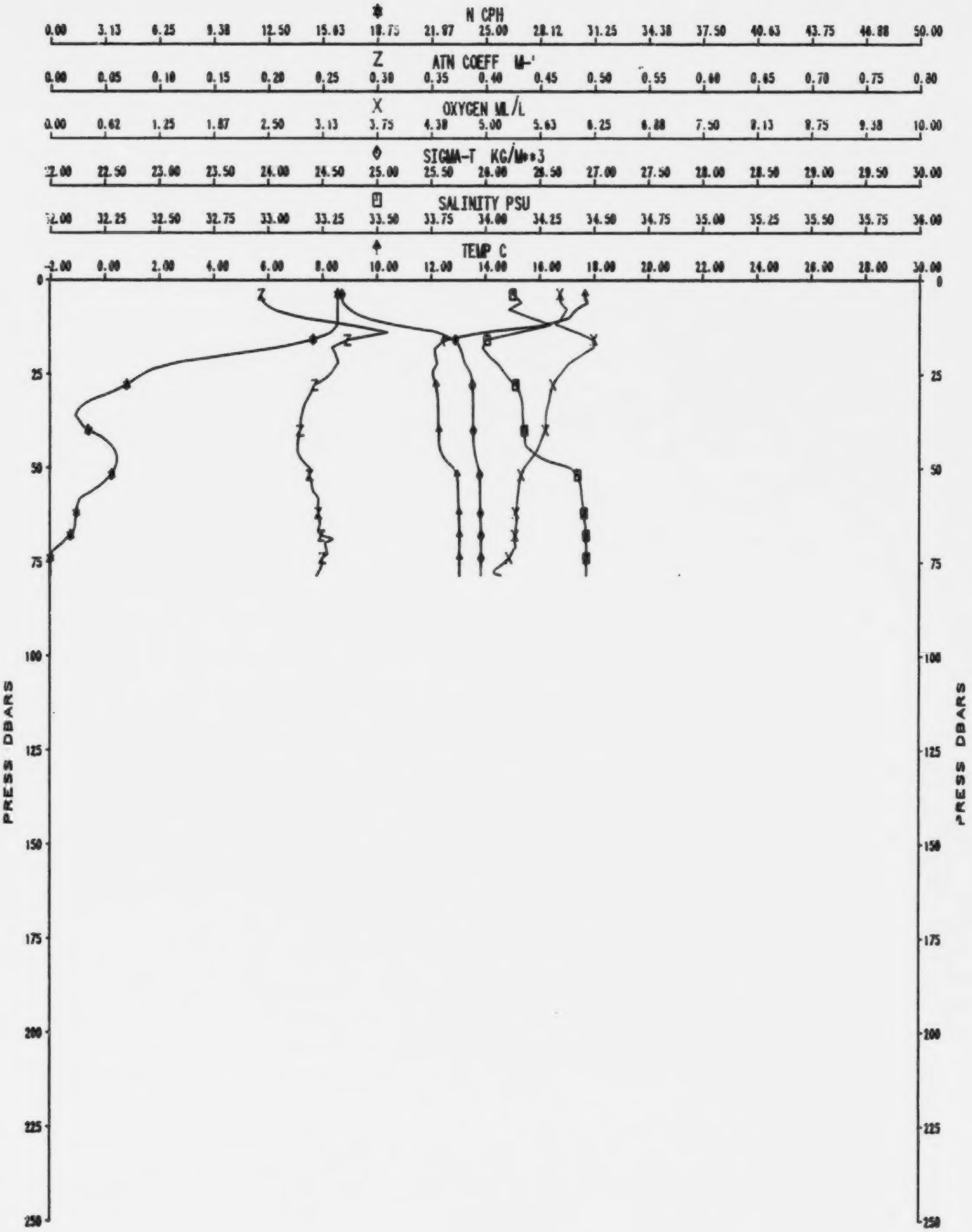
# OC122A CAST #4



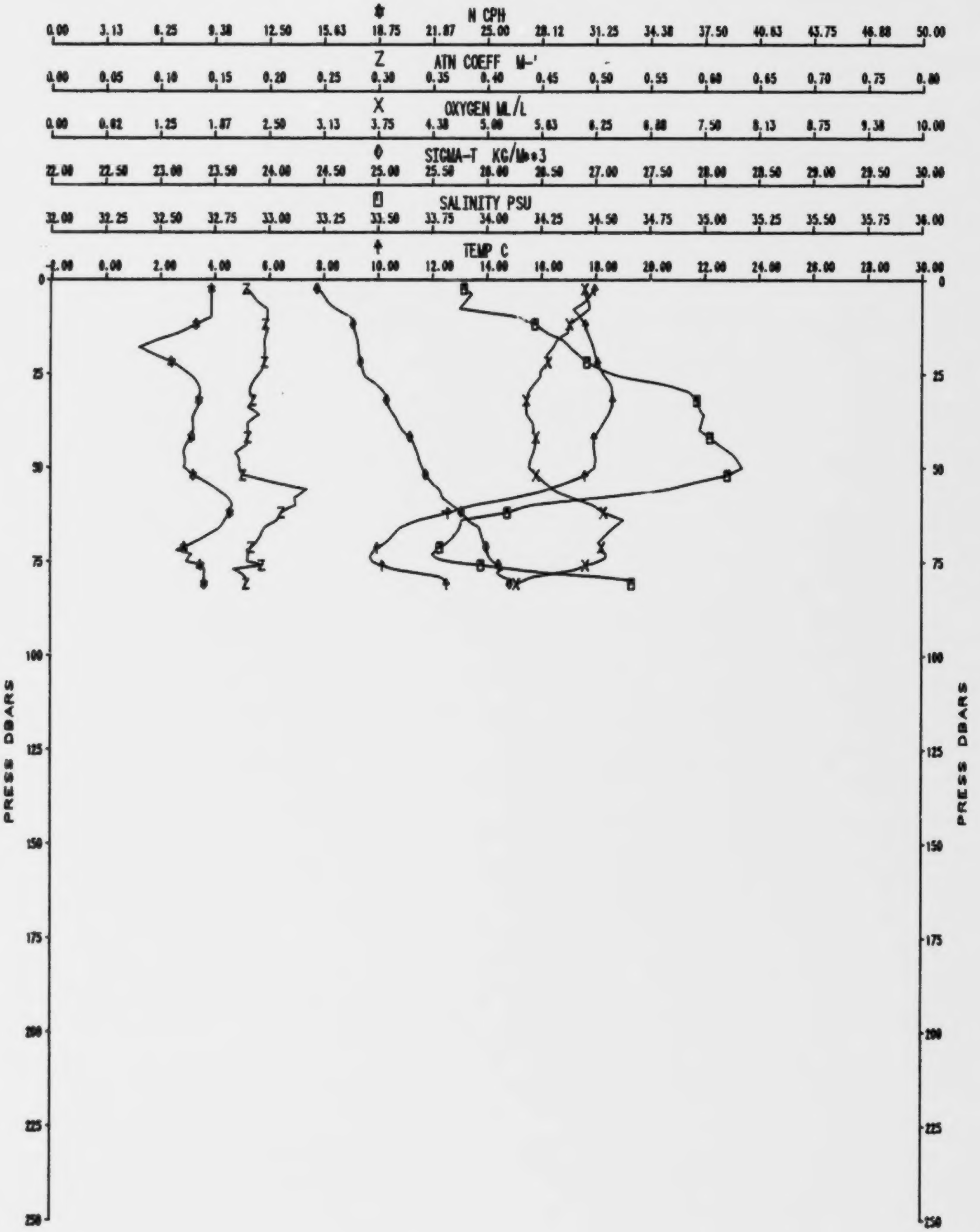
OC122U CAST #5



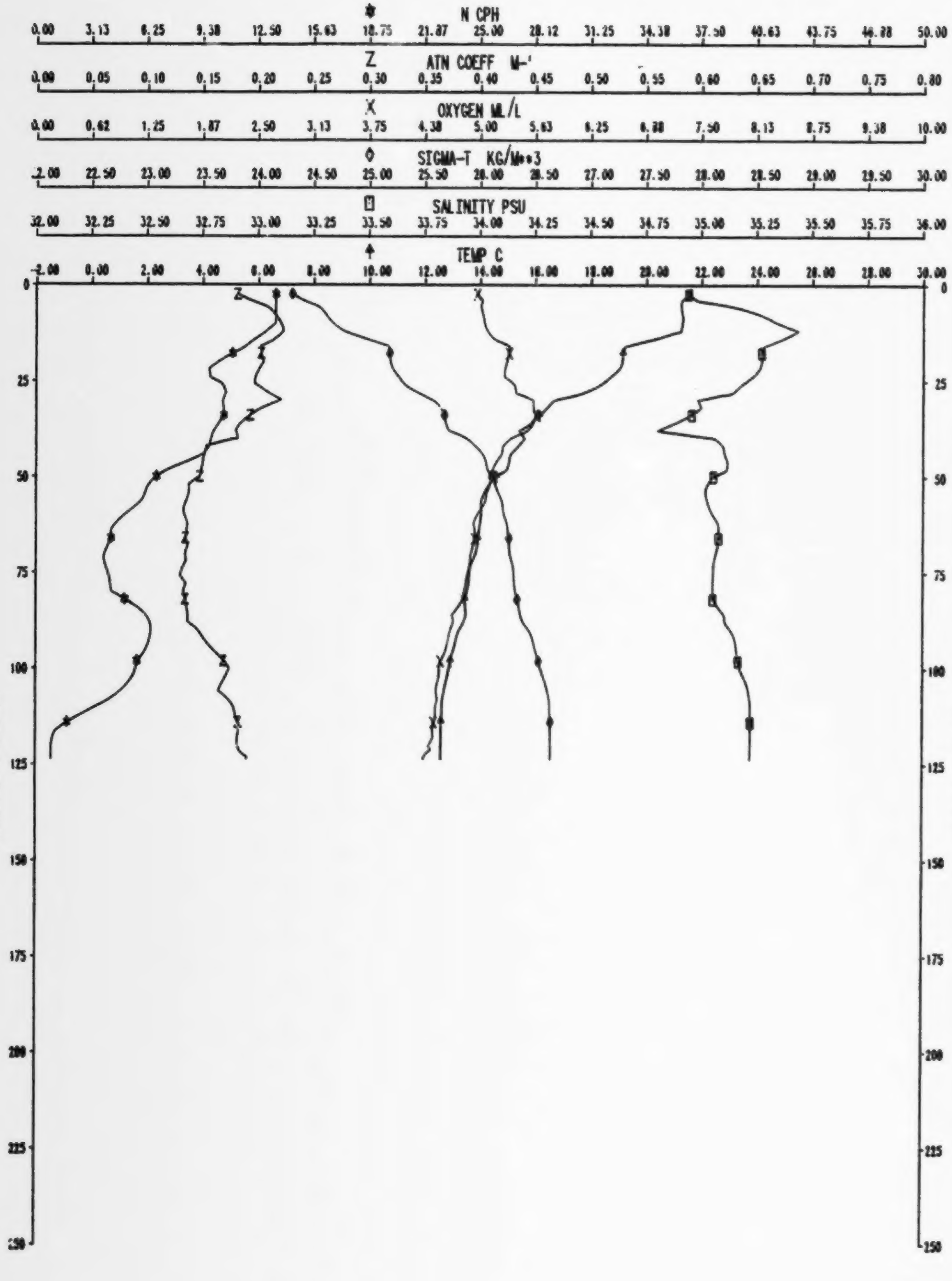
OC122B CAST #6



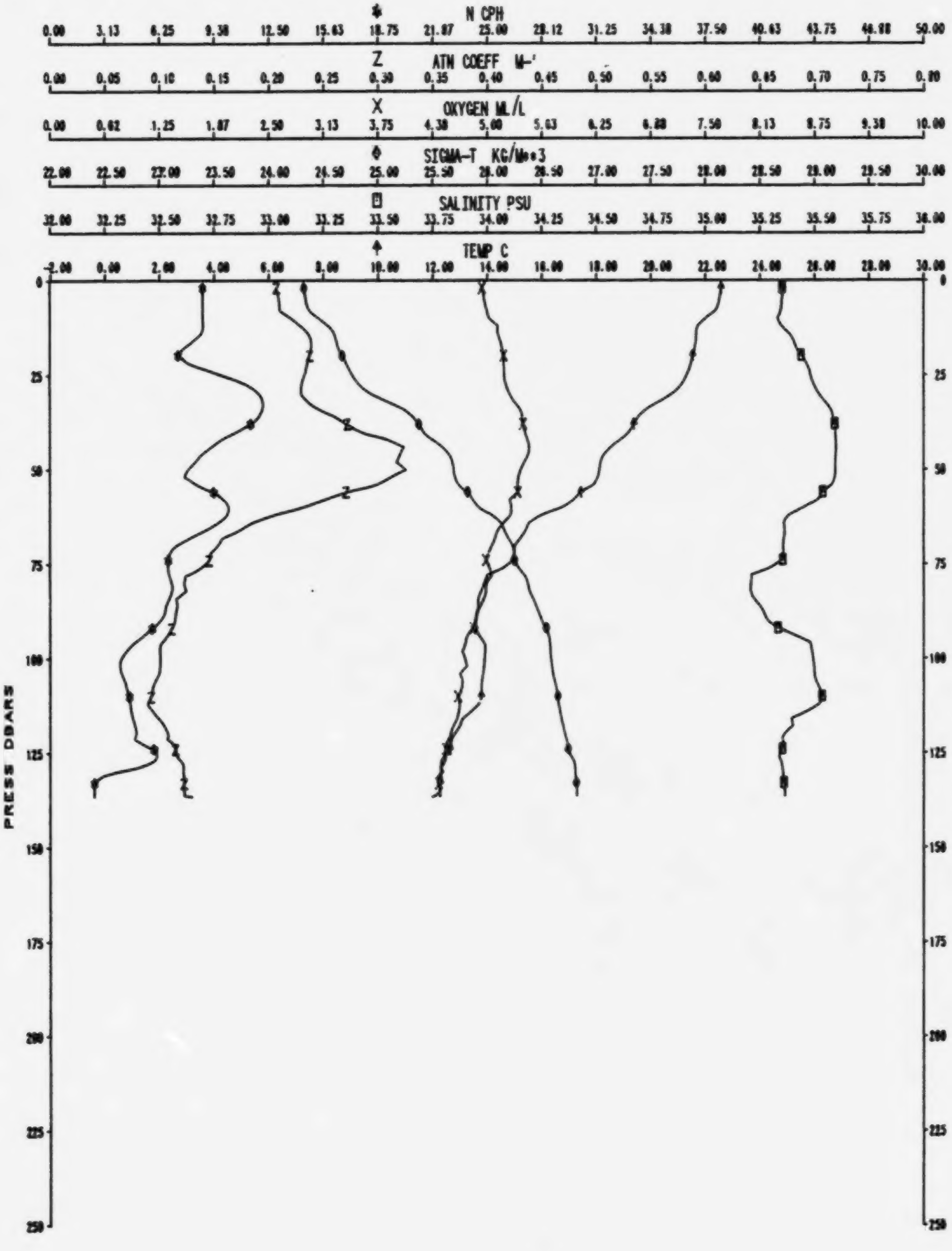
# OC122A CAST #7



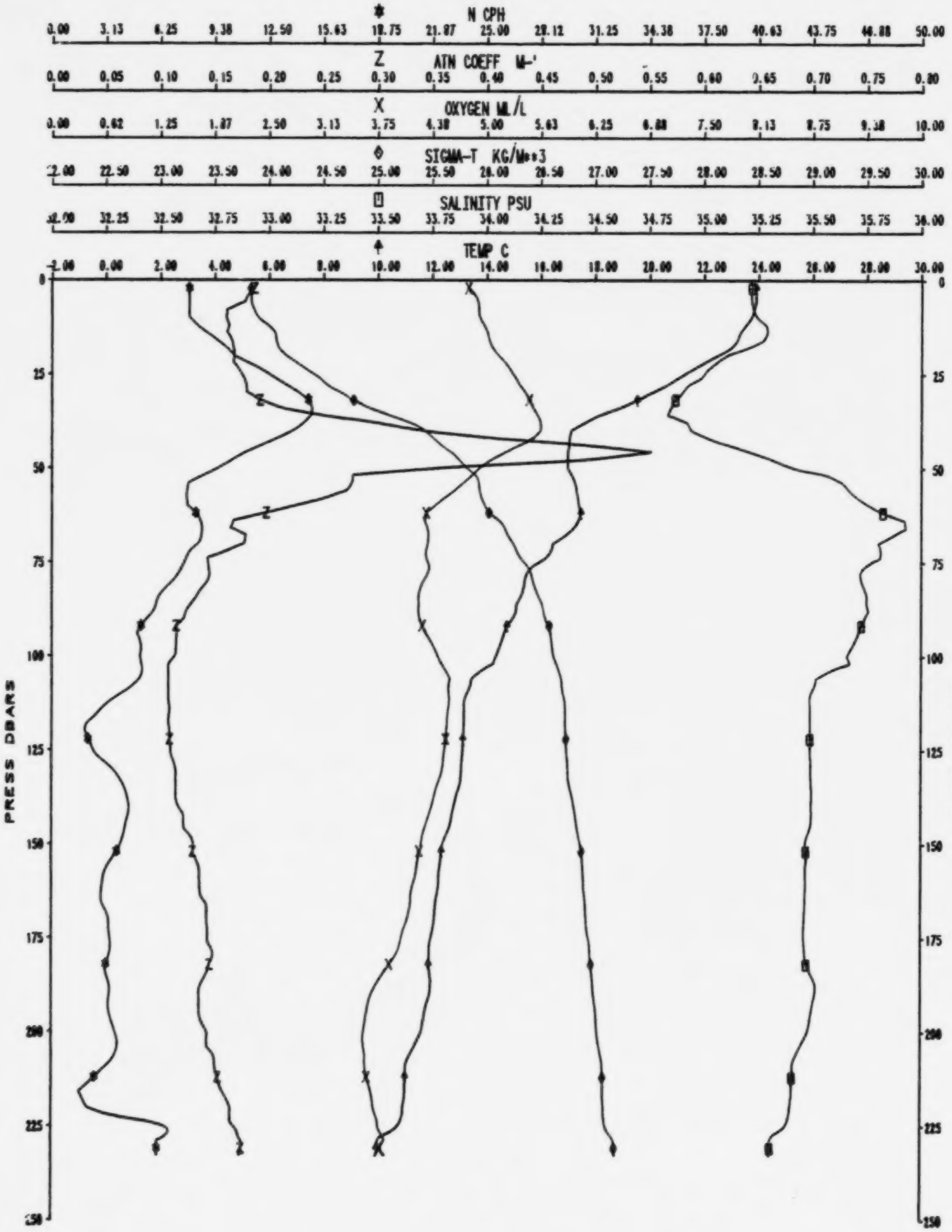
OC122B CAST #8

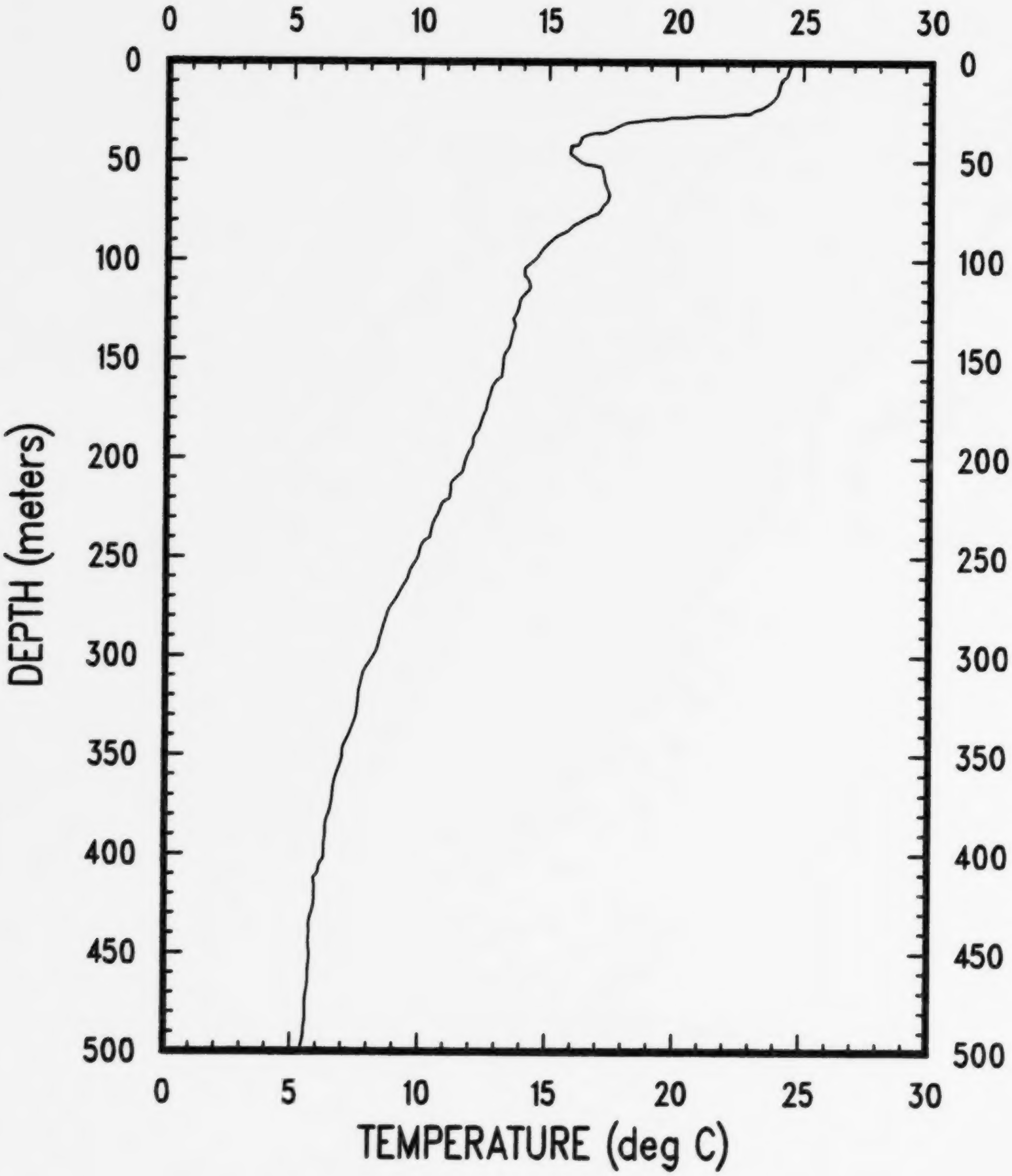


# OC122A CAST #9



OC122B CAST #10

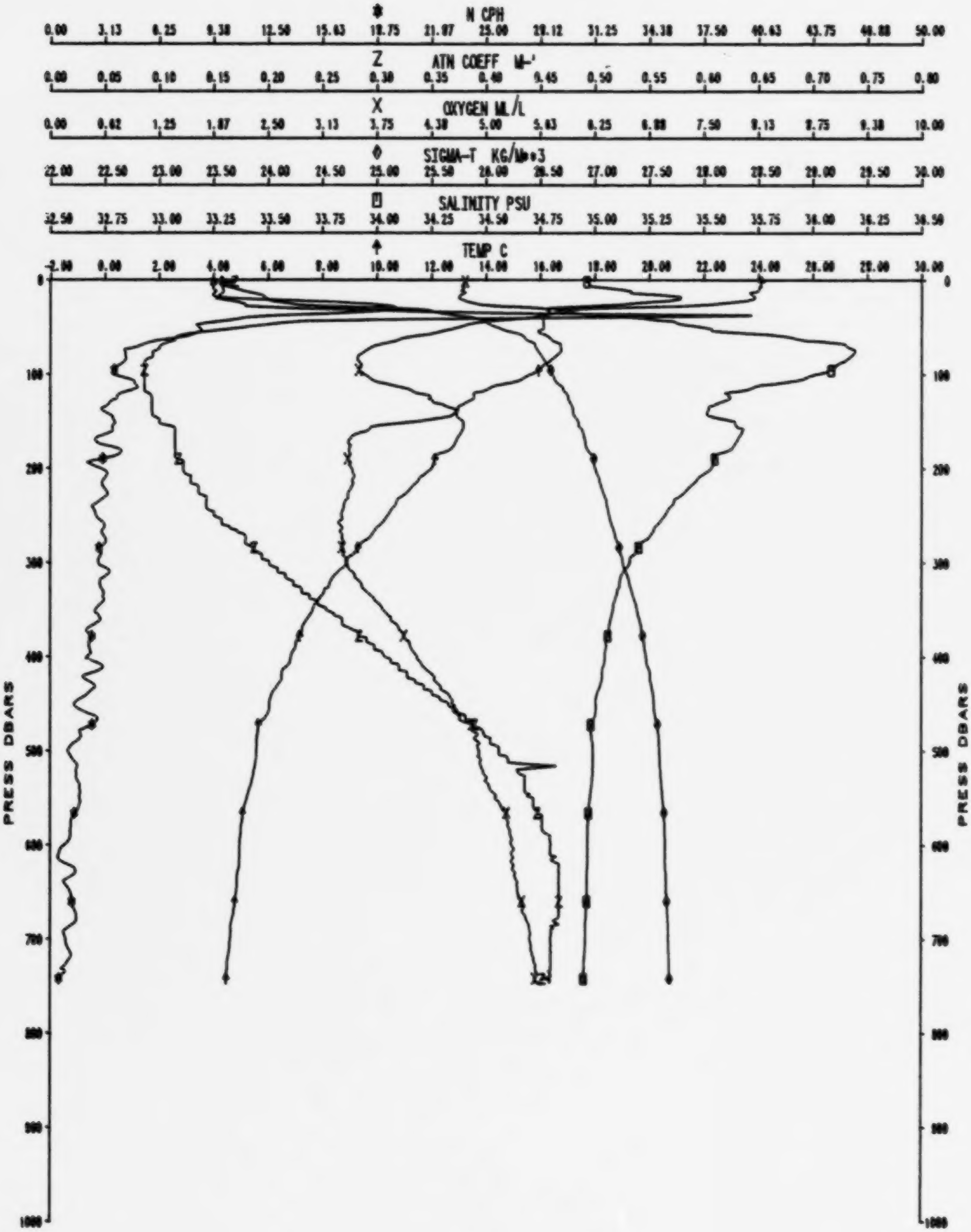




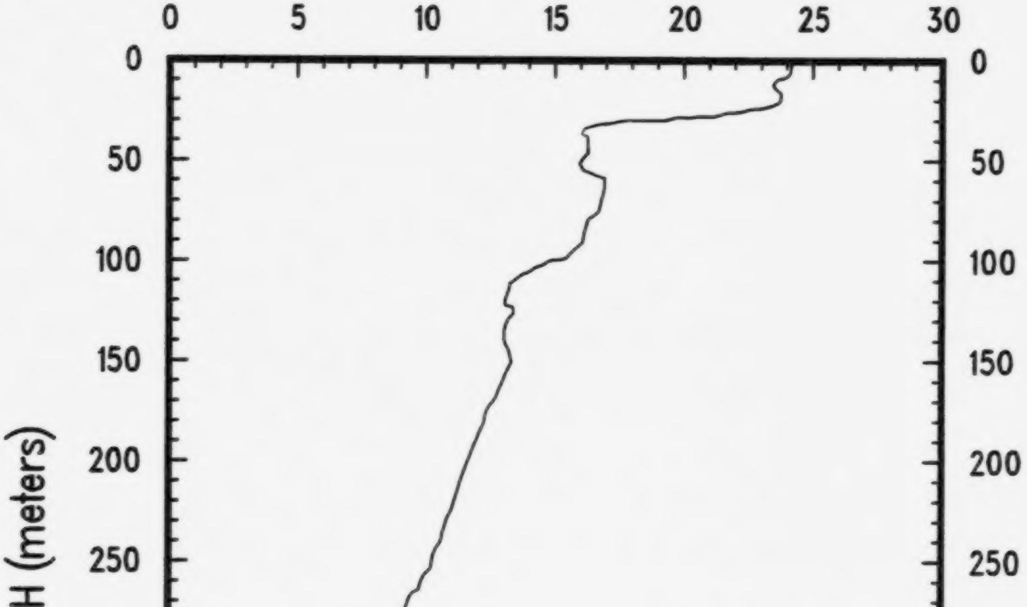
OC122 XBT-11

0
5
10
15
20
25
30
DEPTH (meters)
0
50
100
150
200
250
300
350
400
450
500
TEMPERATURE (deg C)

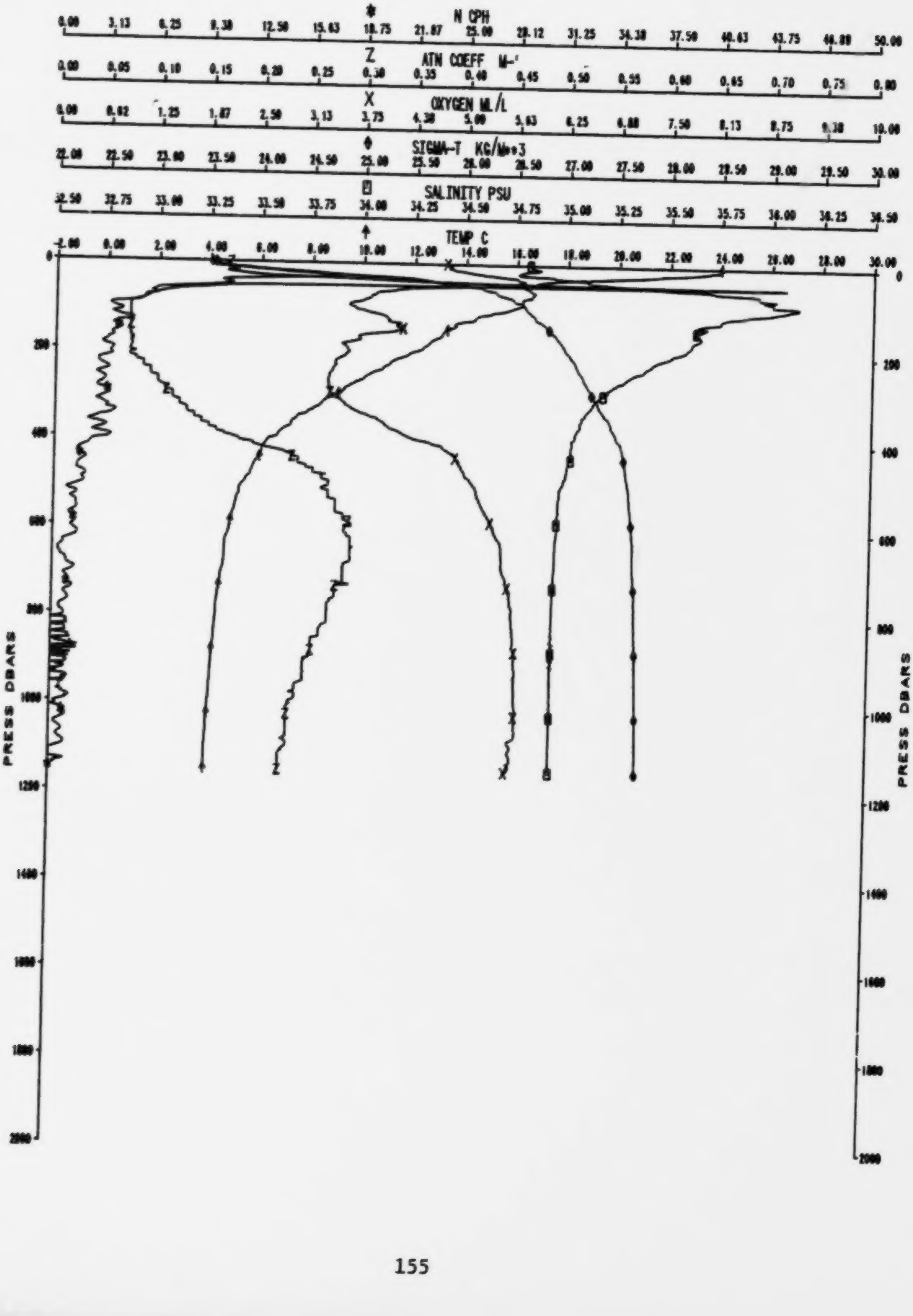
# OC122A CAST #12



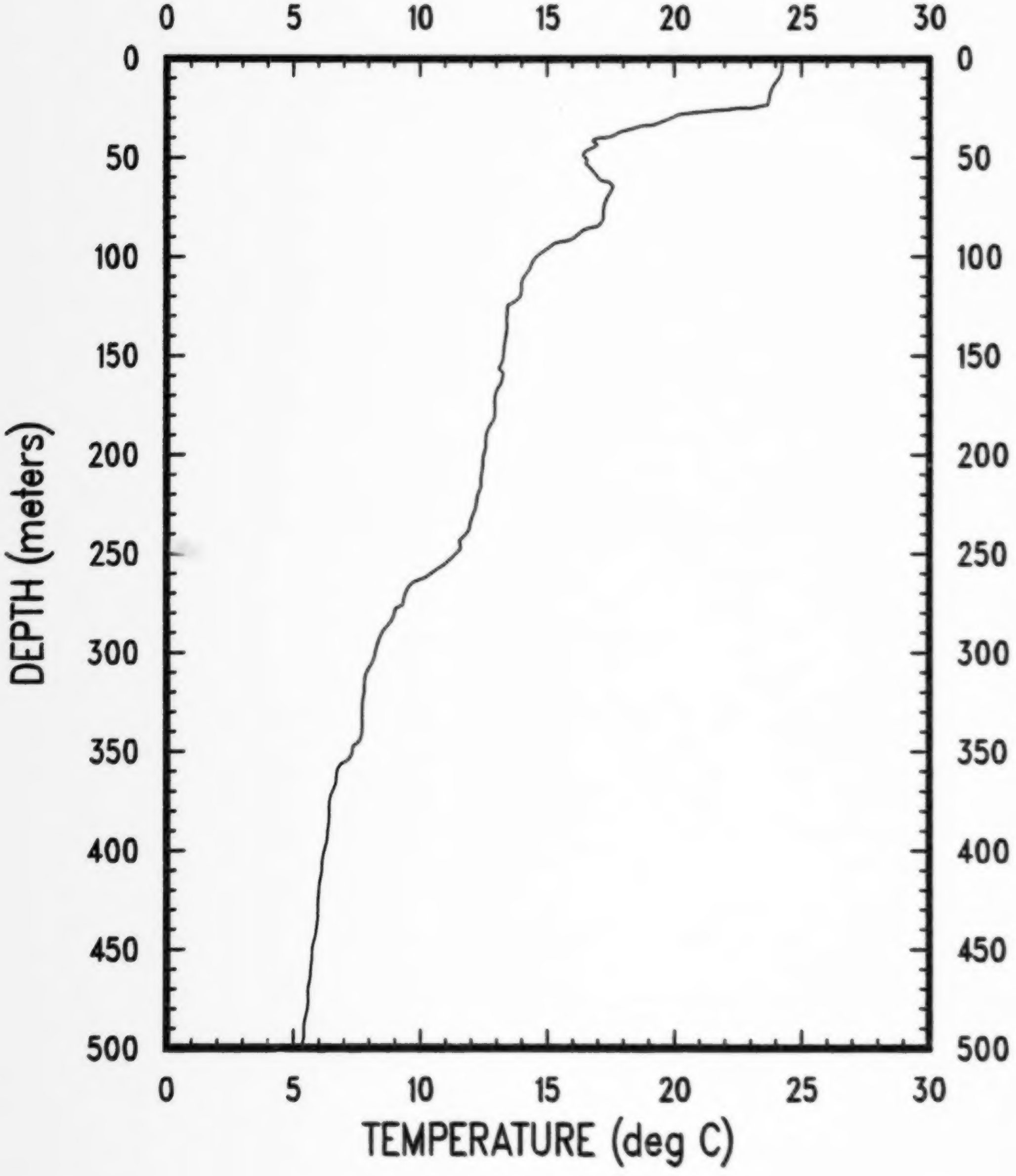
OC122 XBT-13


0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

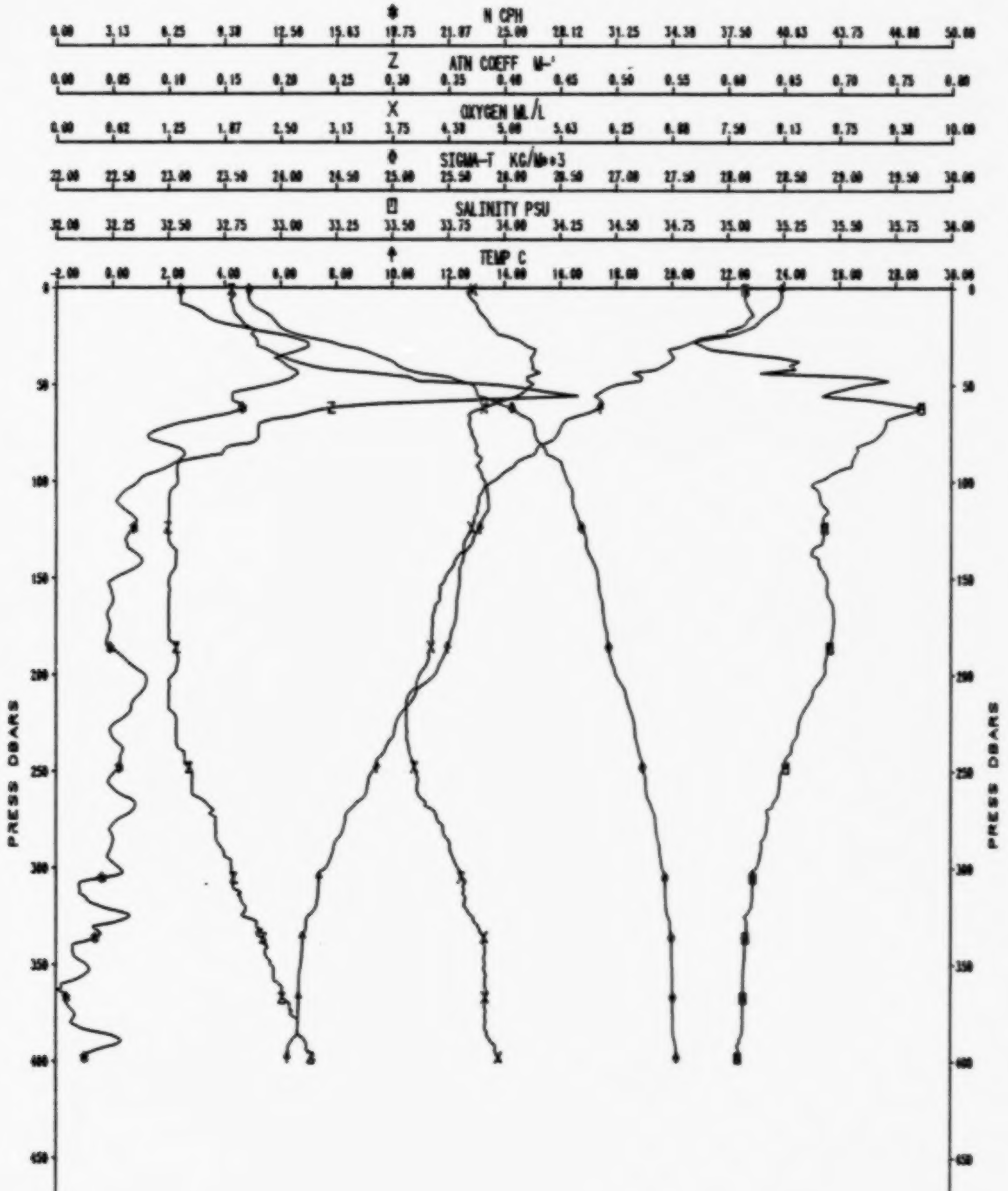
OC122A CAST #14



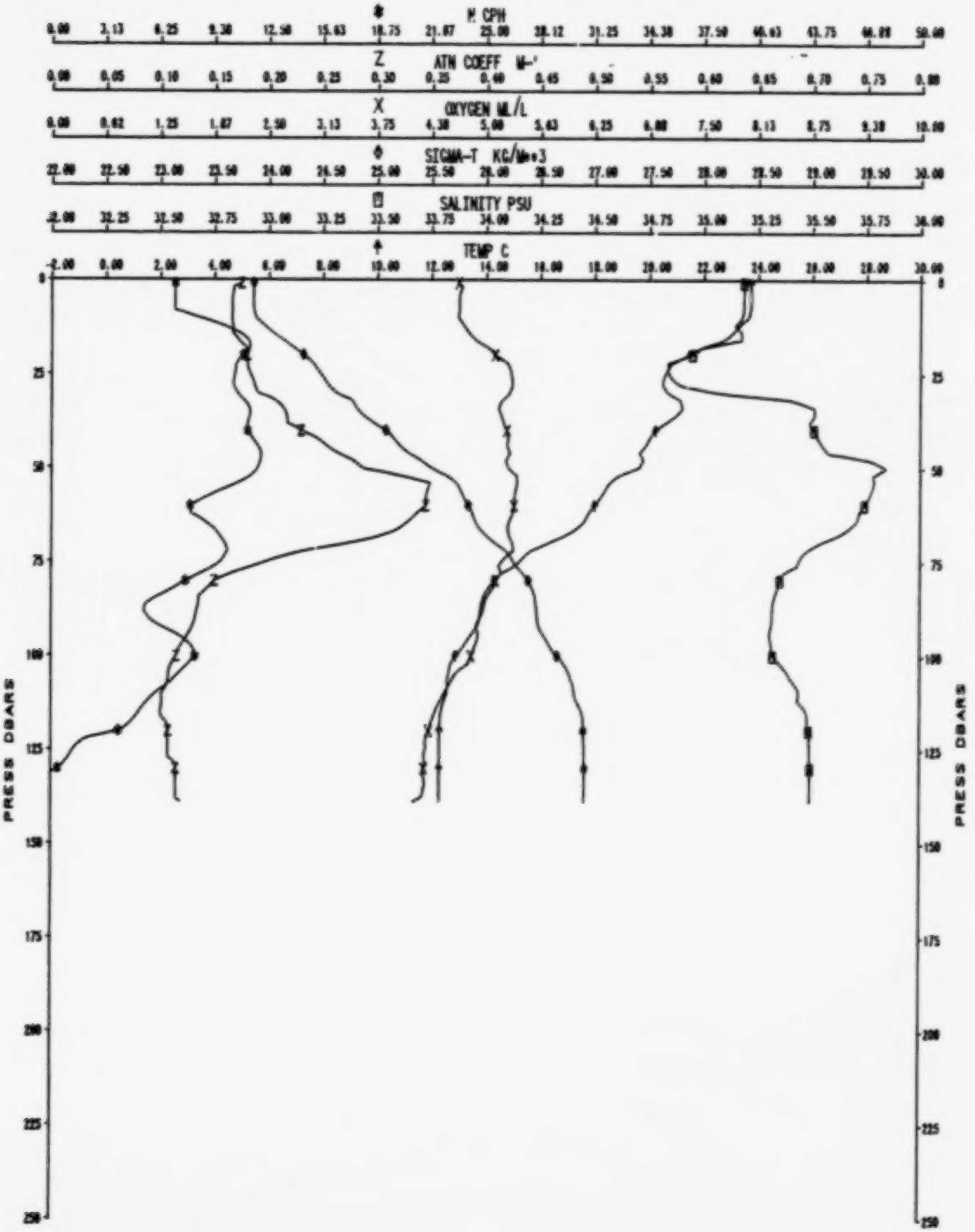
OC122 XBT-15


0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

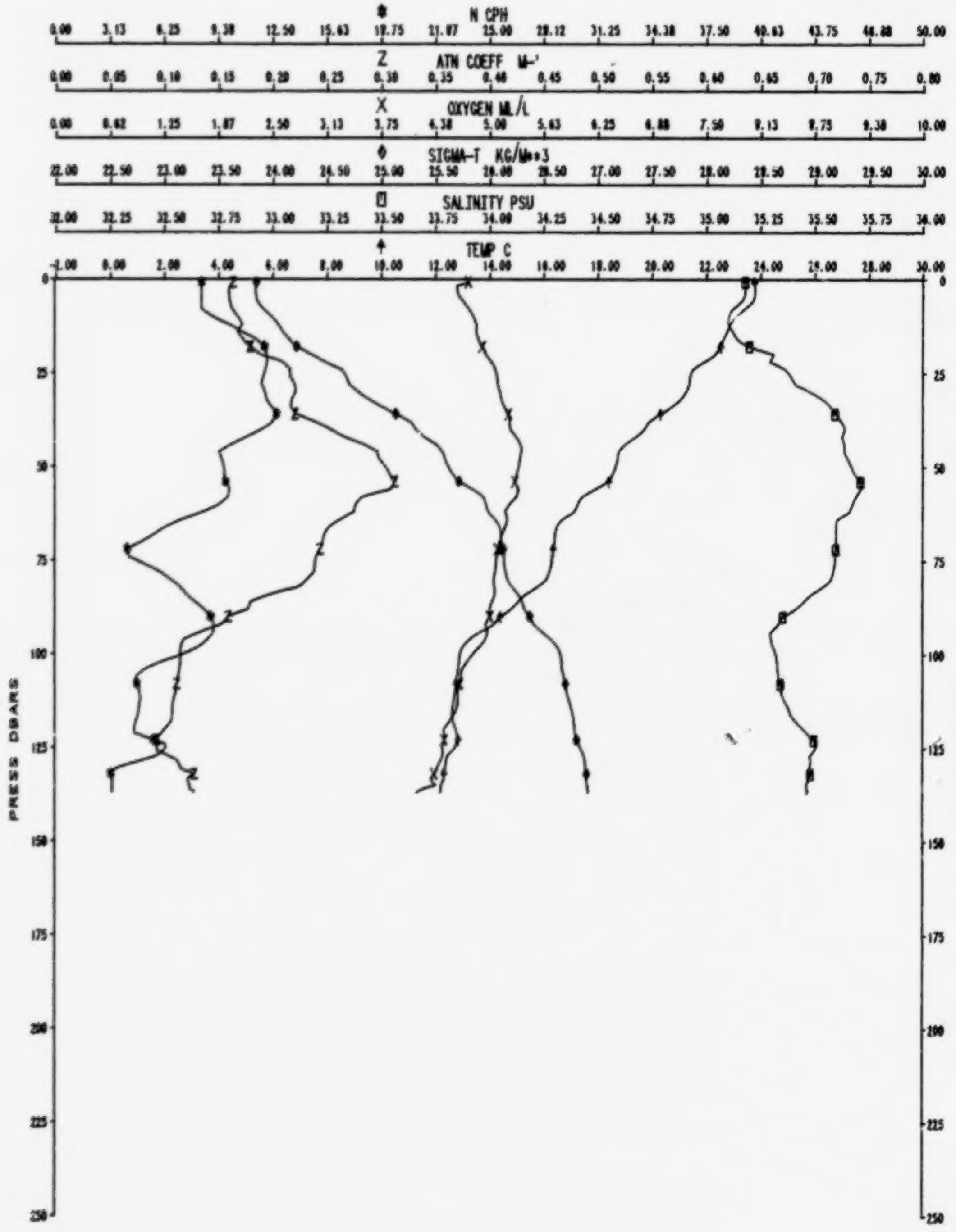
OC122A CAST #16



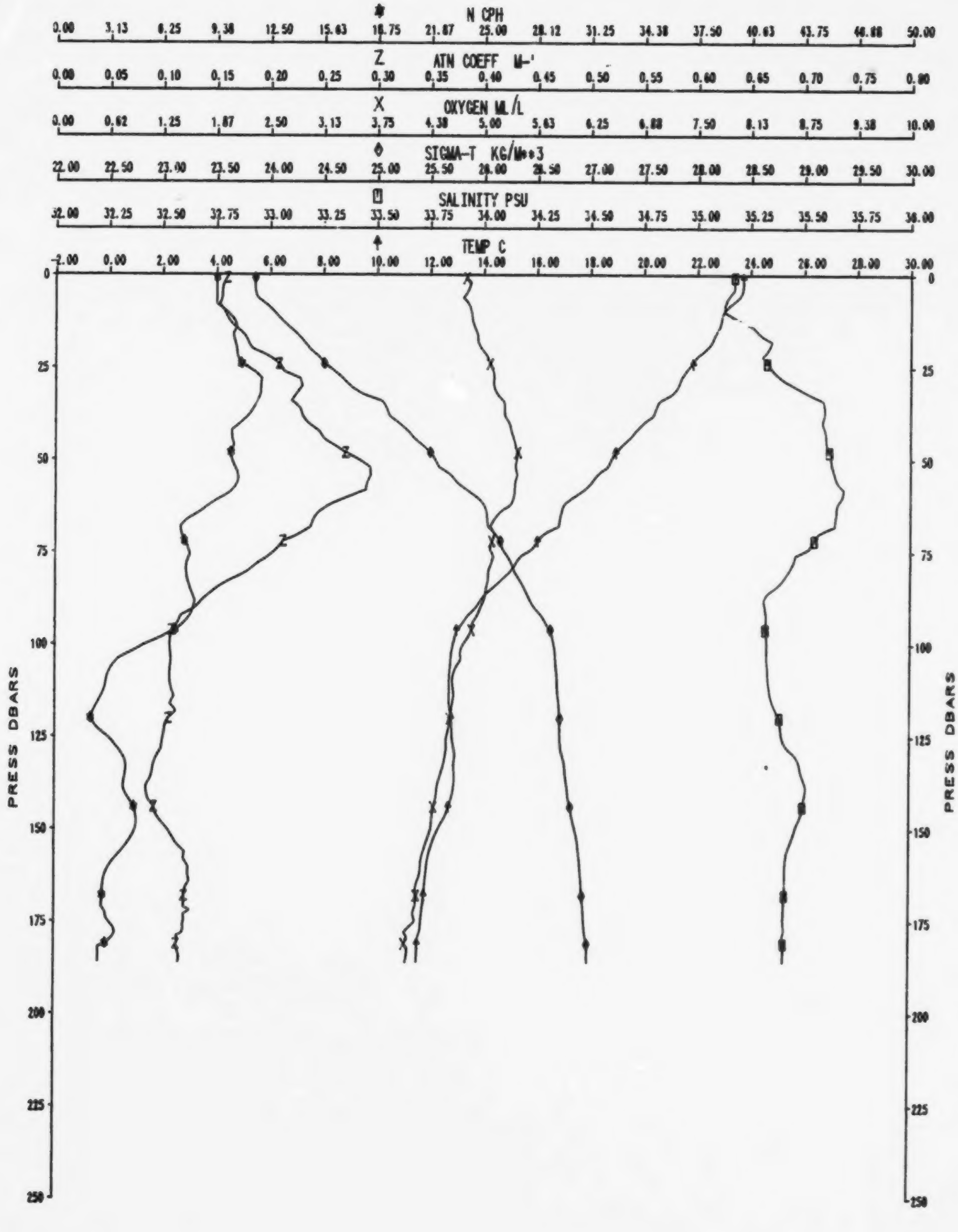
OC122A CAST #17



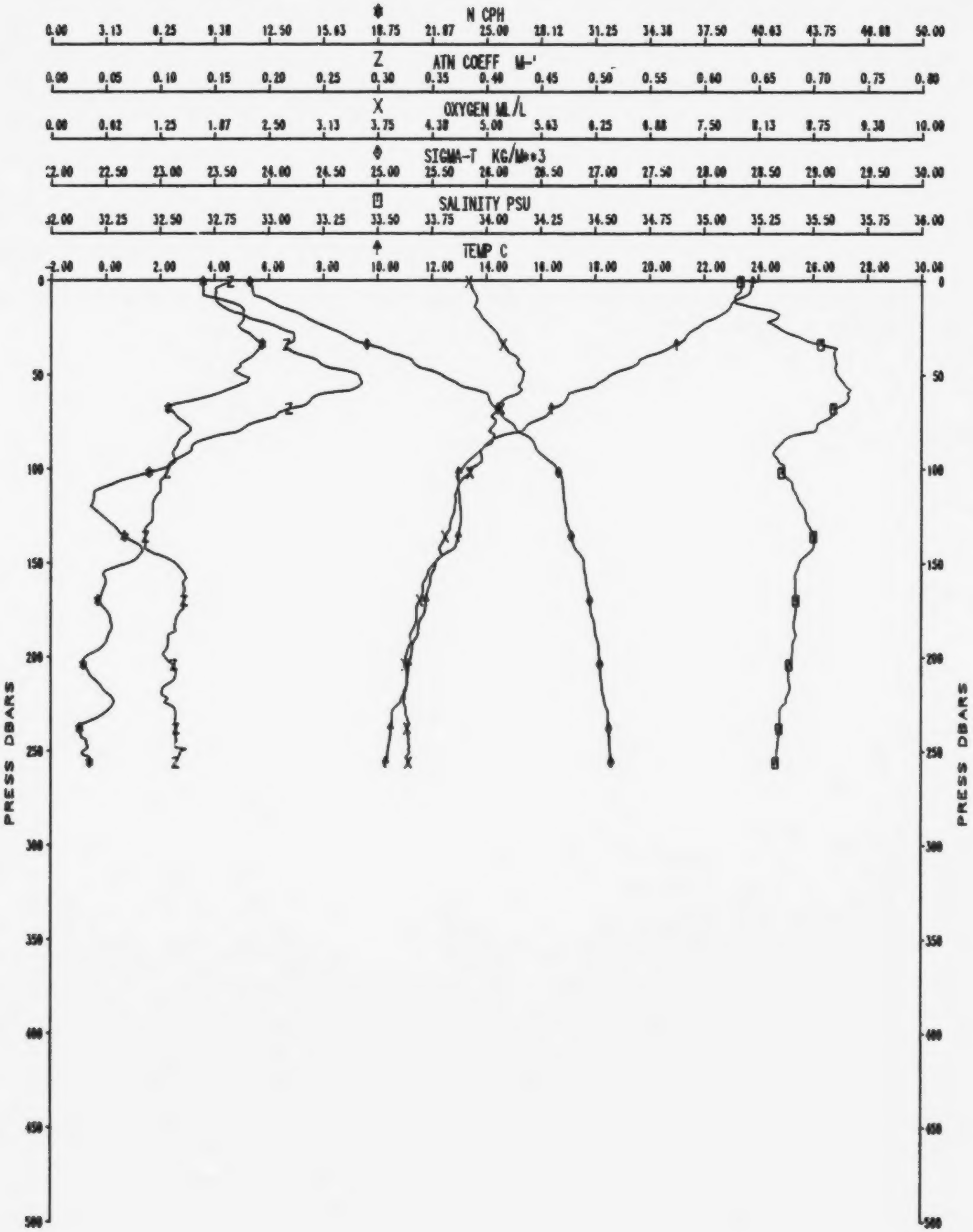
# OC122A CAST #18



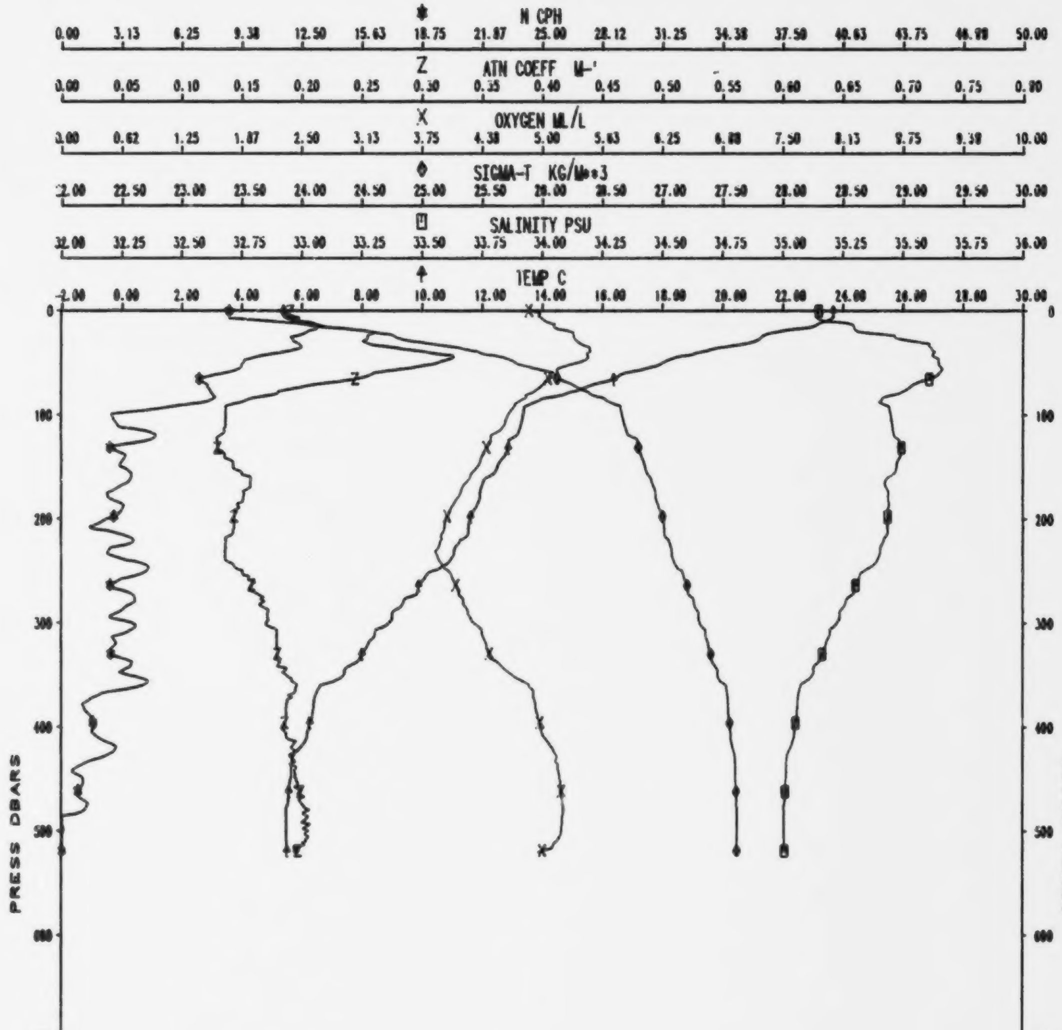
OC122A CAST #19



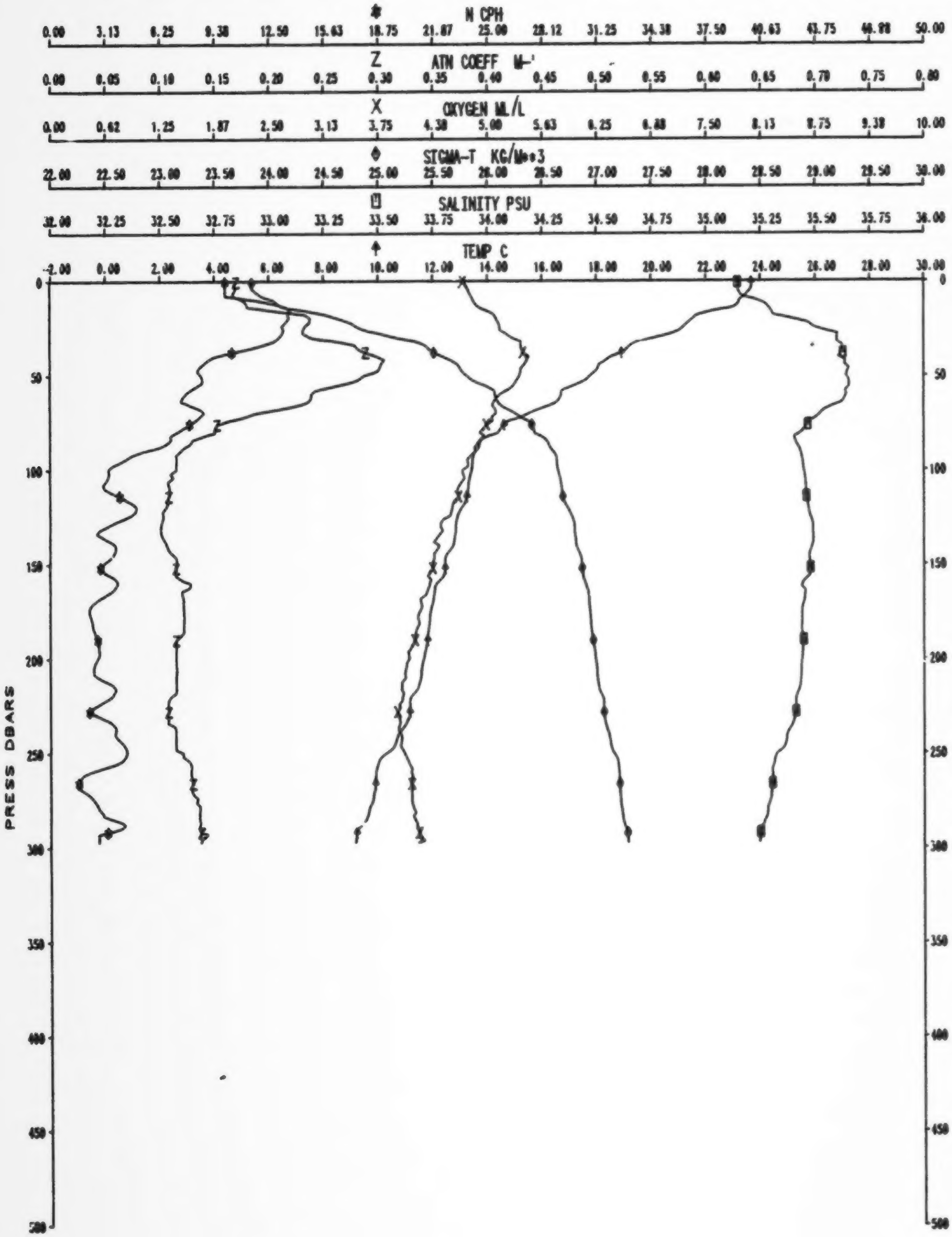
OC122A CAST #21



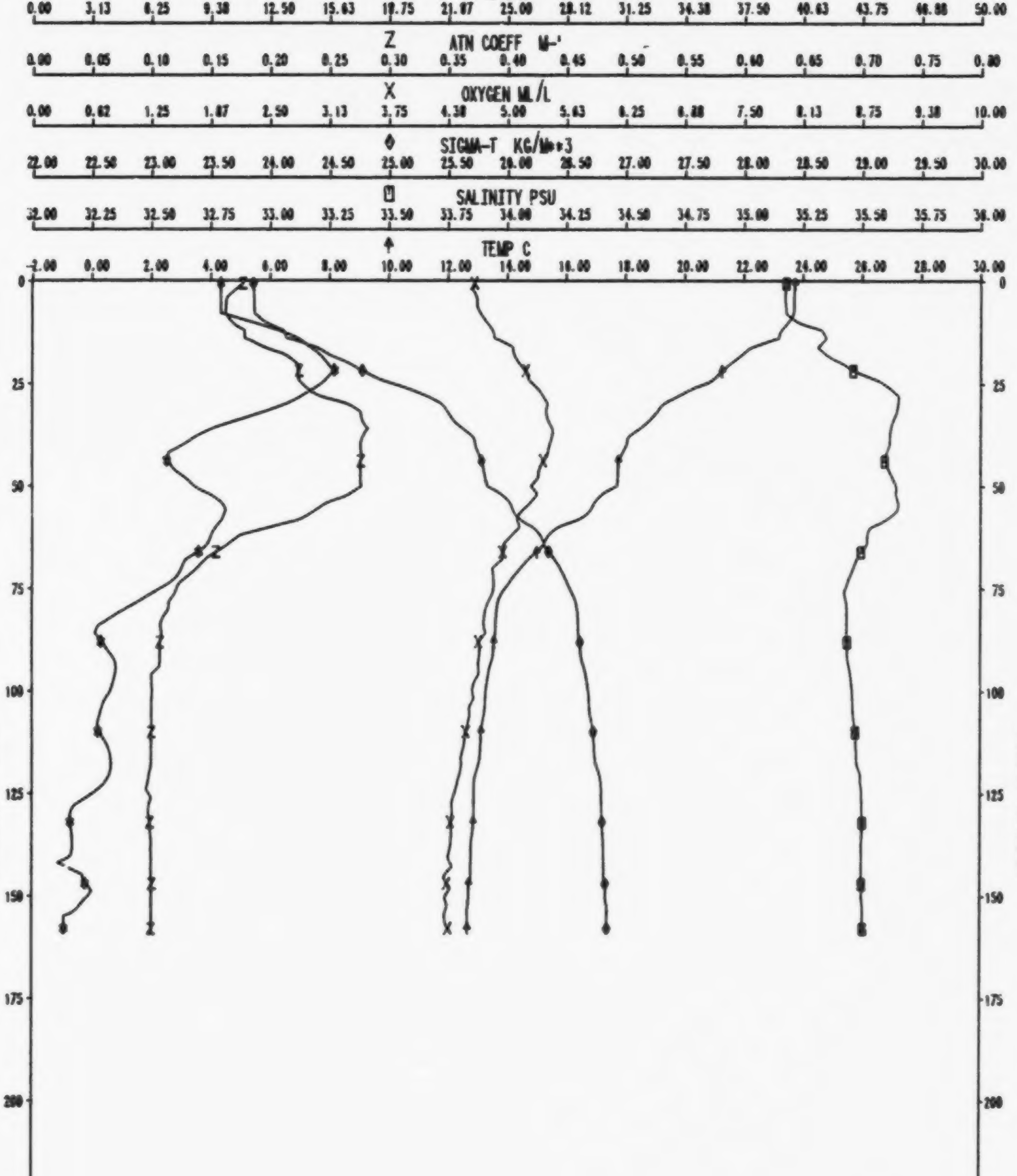
# OC122B CAST #22



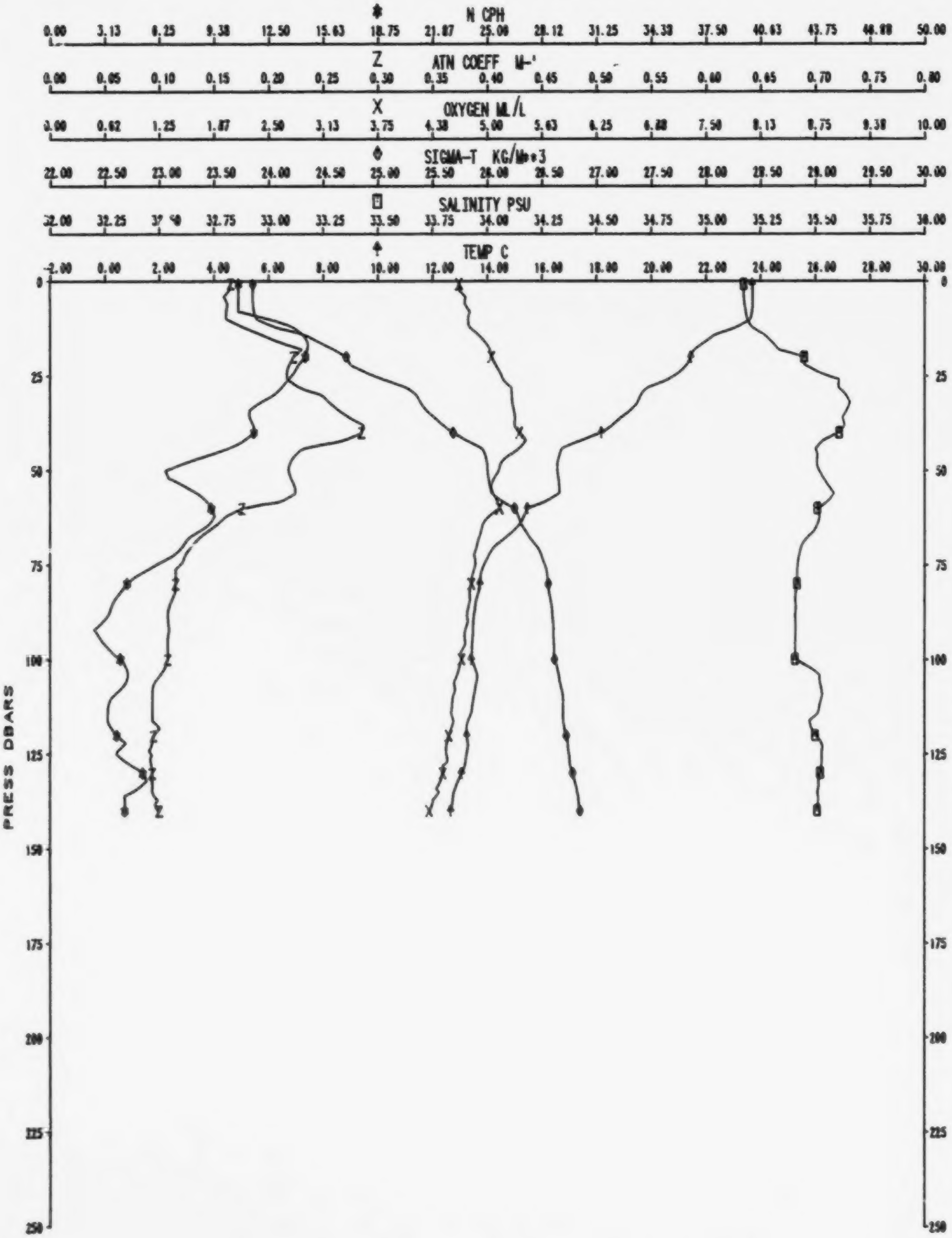
OC122A CAST #23



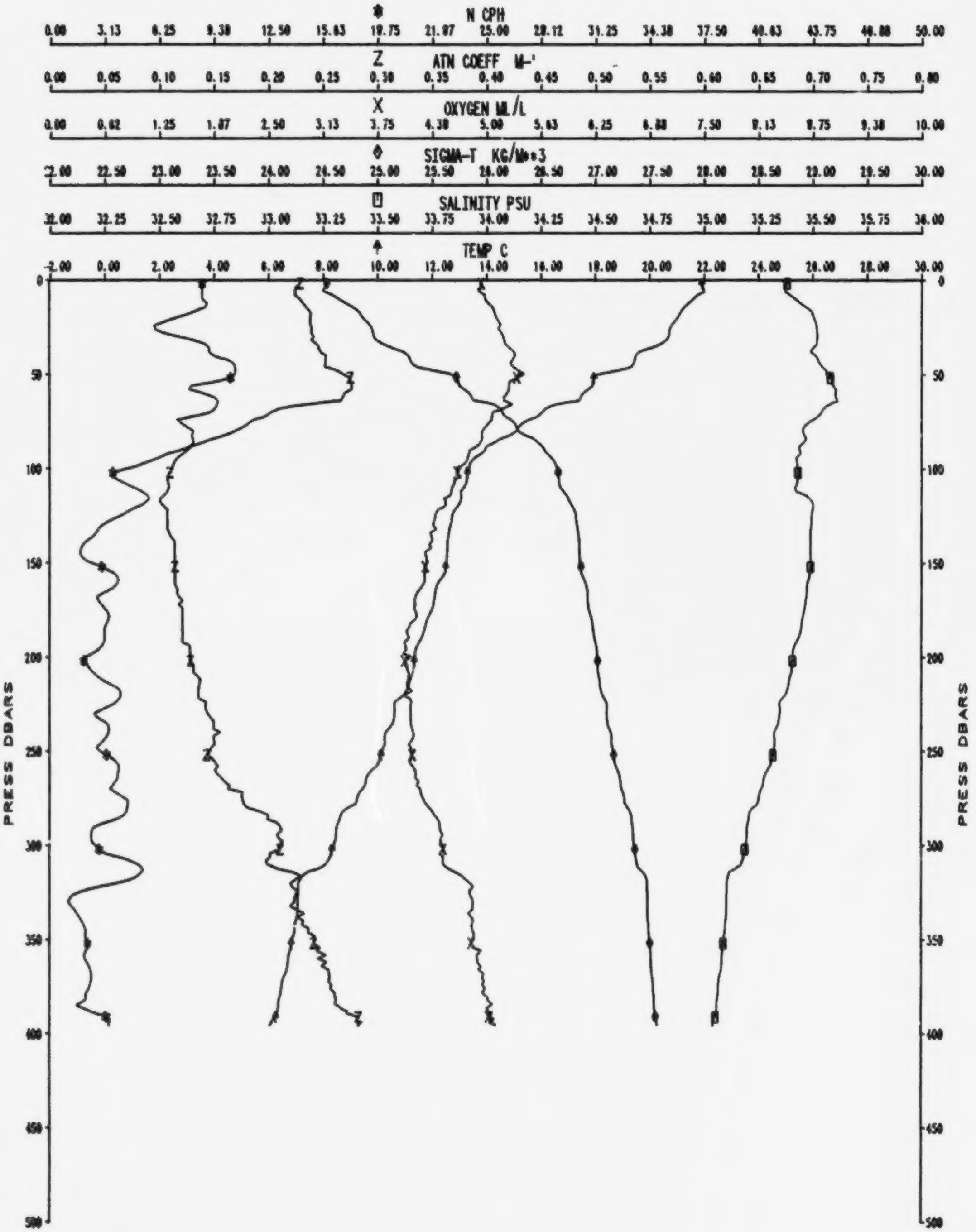
OC122A CAST #24



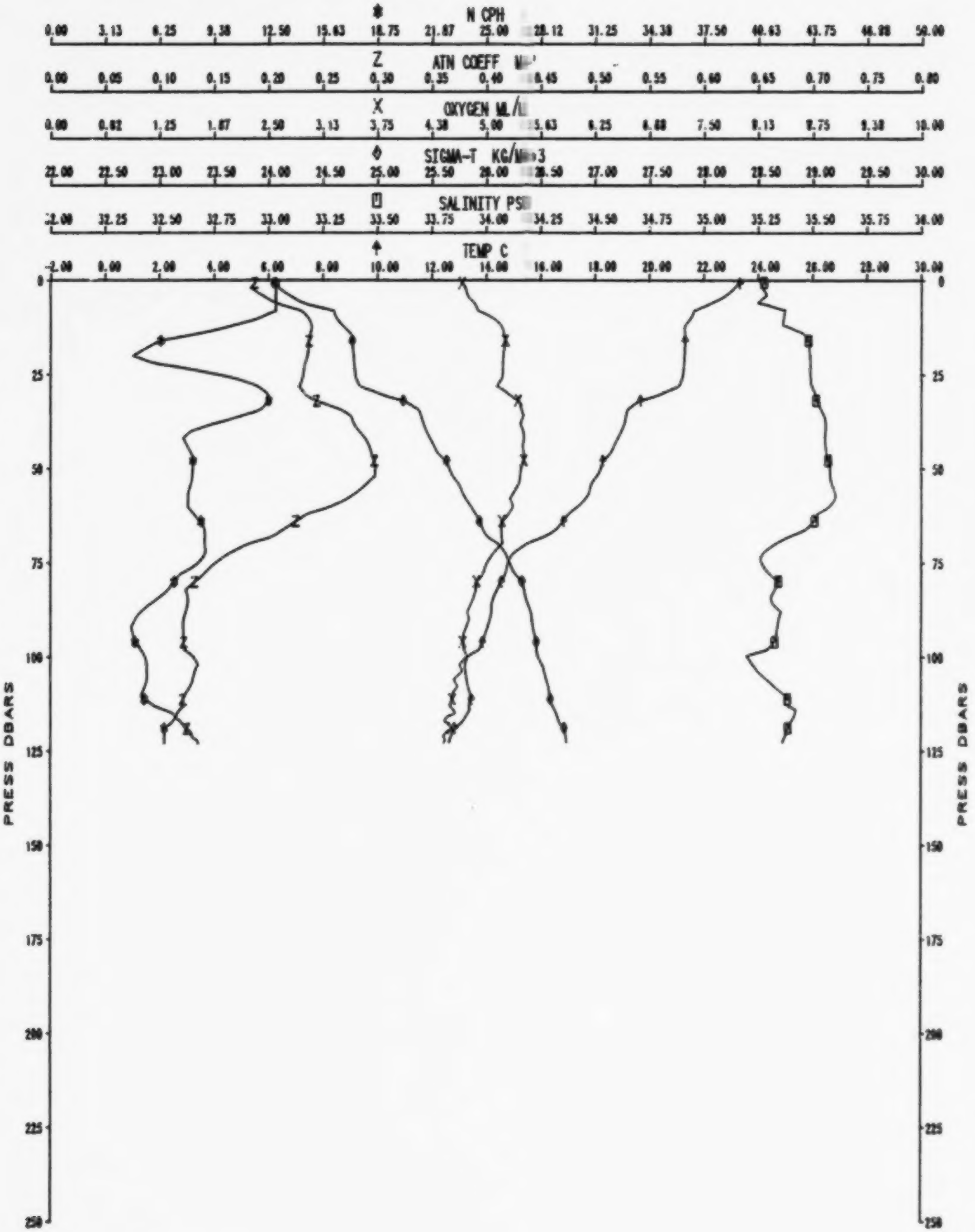
OC122A CAST #25



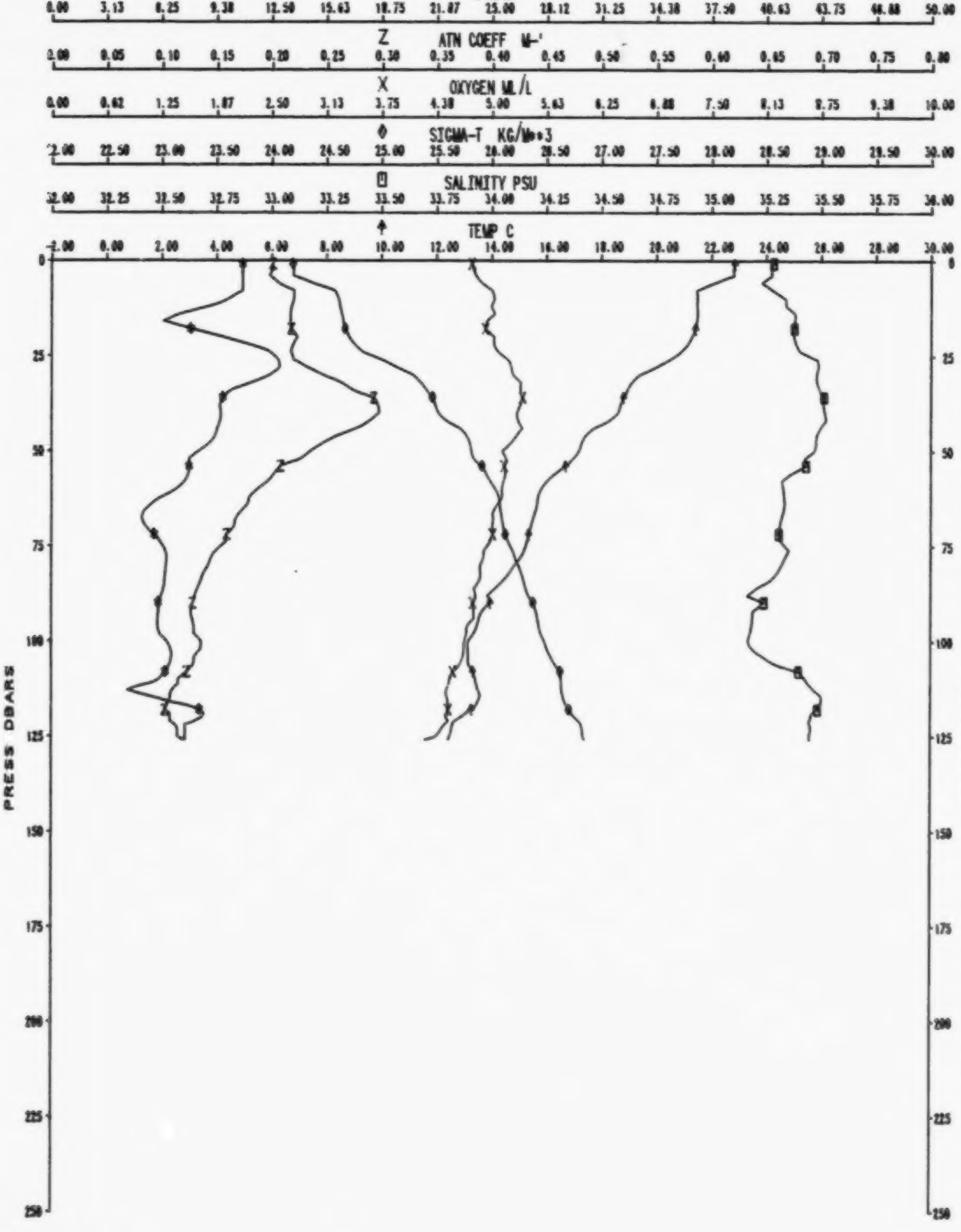
OC122A CAST #26



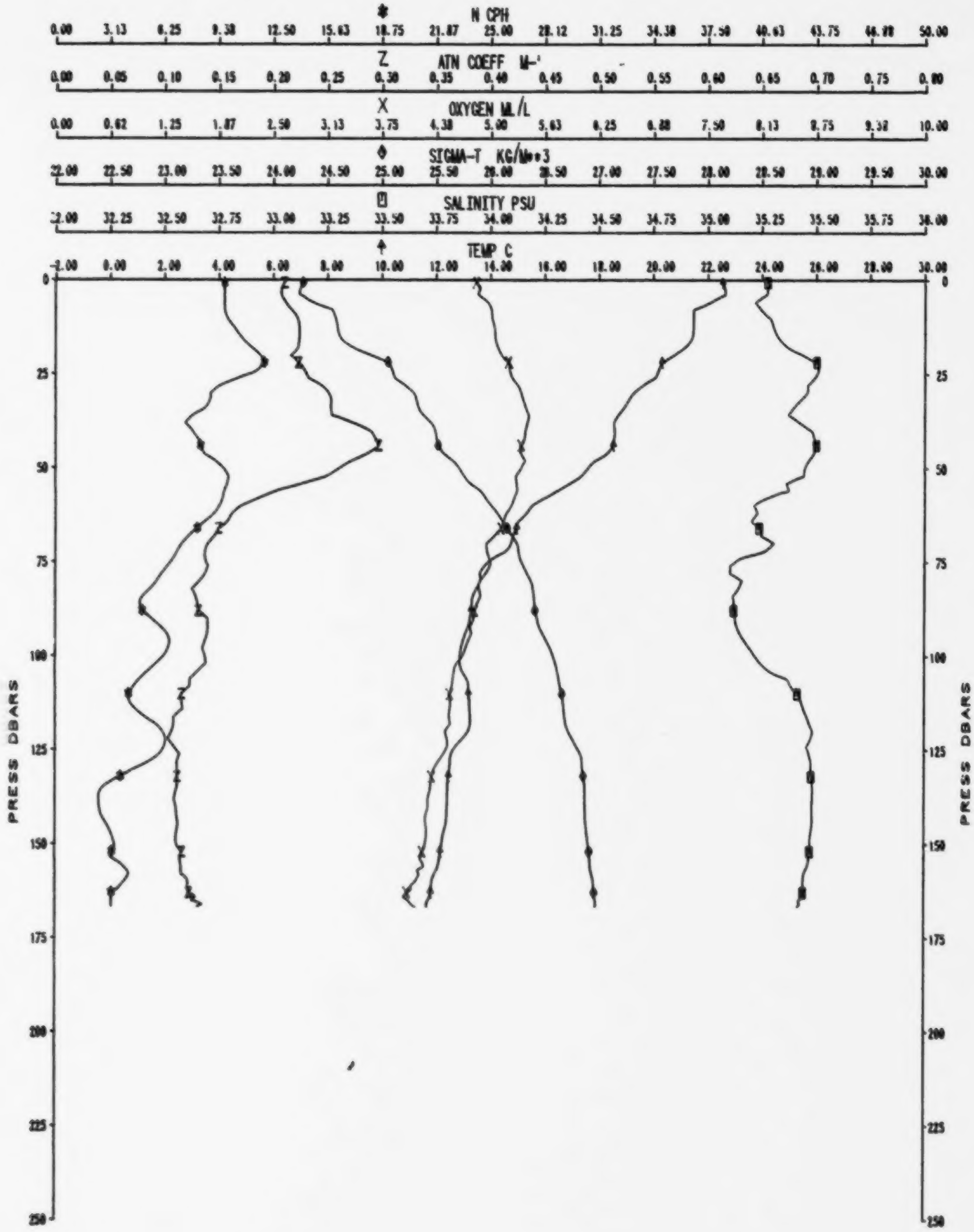
OC122A CAST #27



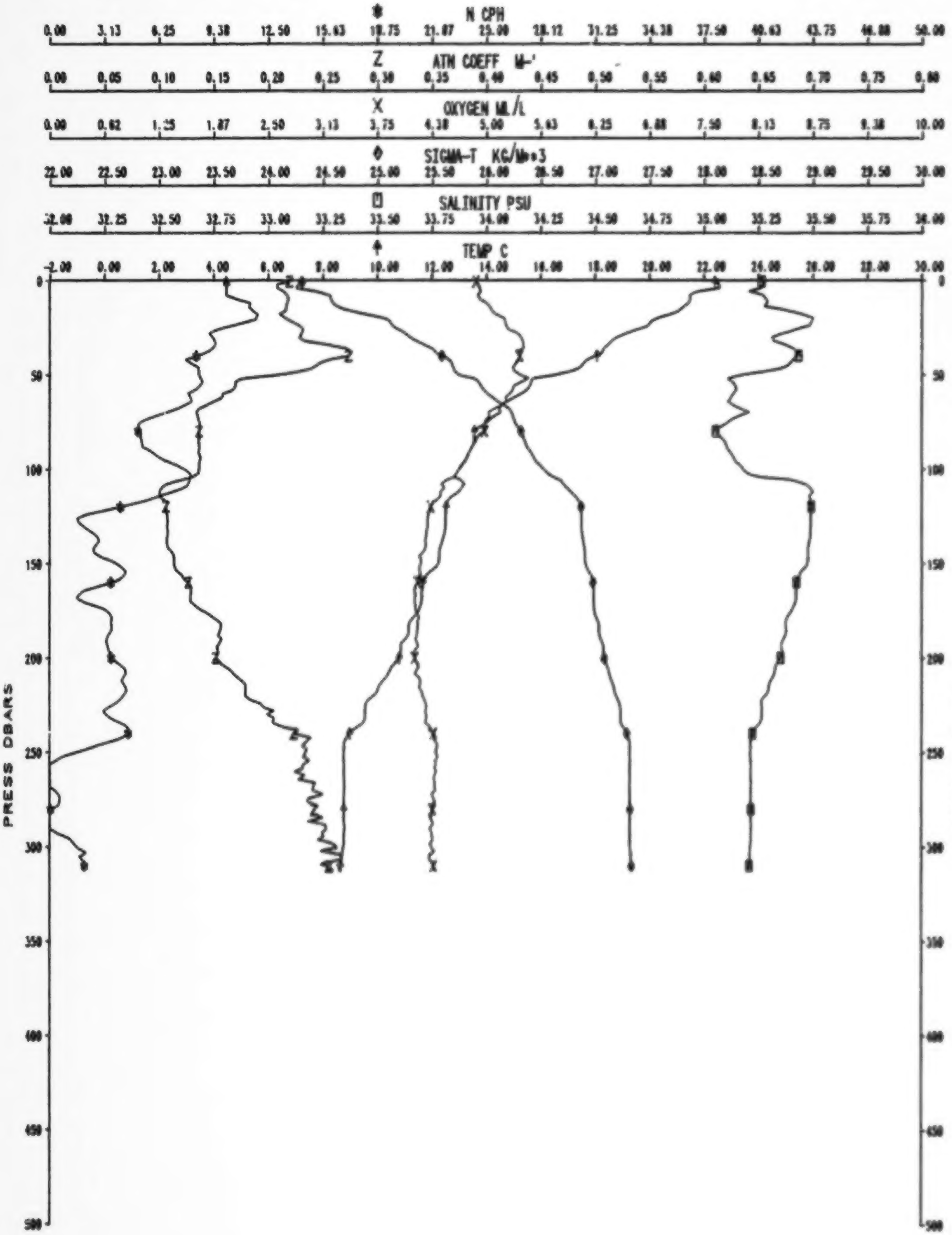
OC122A CAST #28



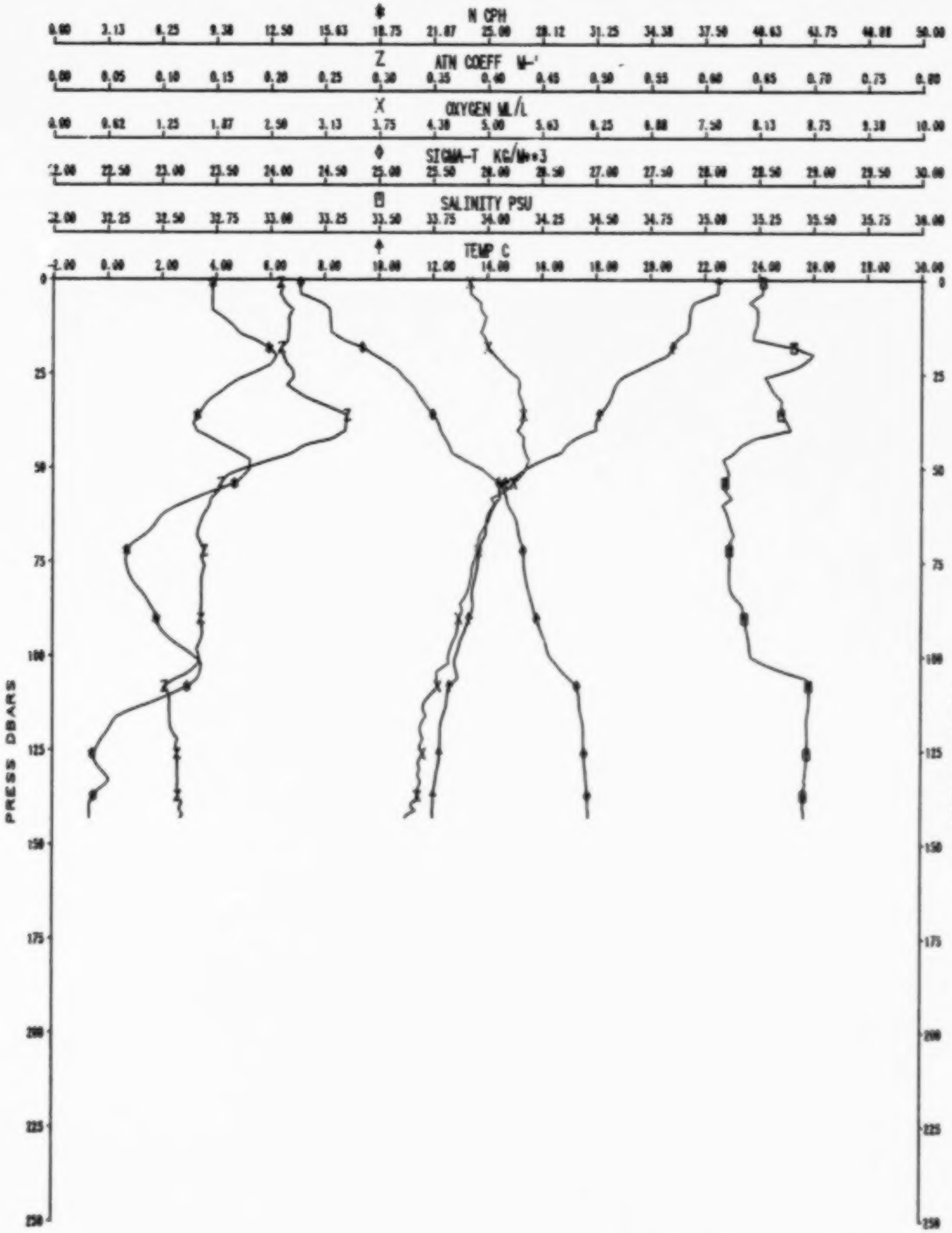
OC122A CAST #29



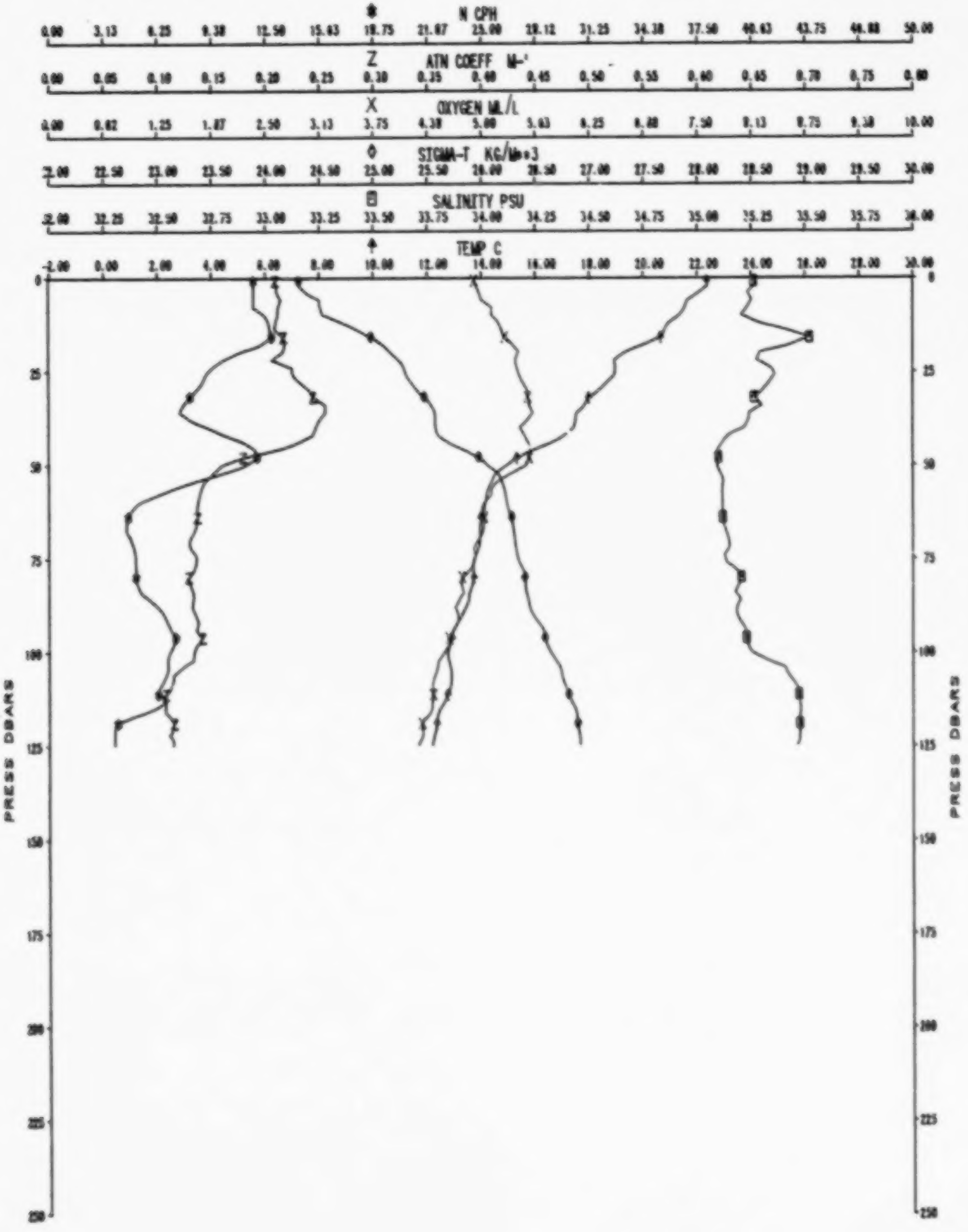
# OC122A CAST #30



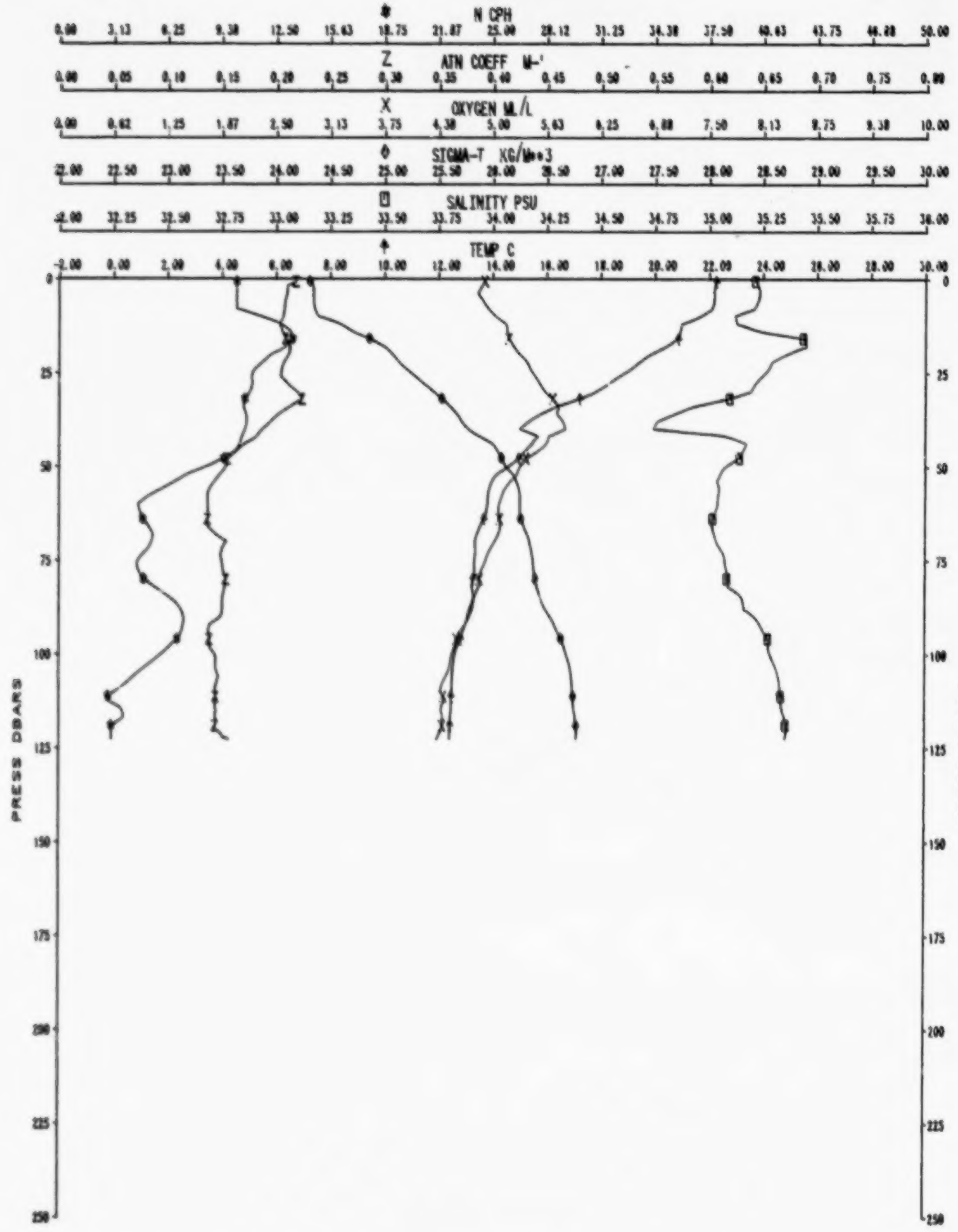
OC122A CAST #31



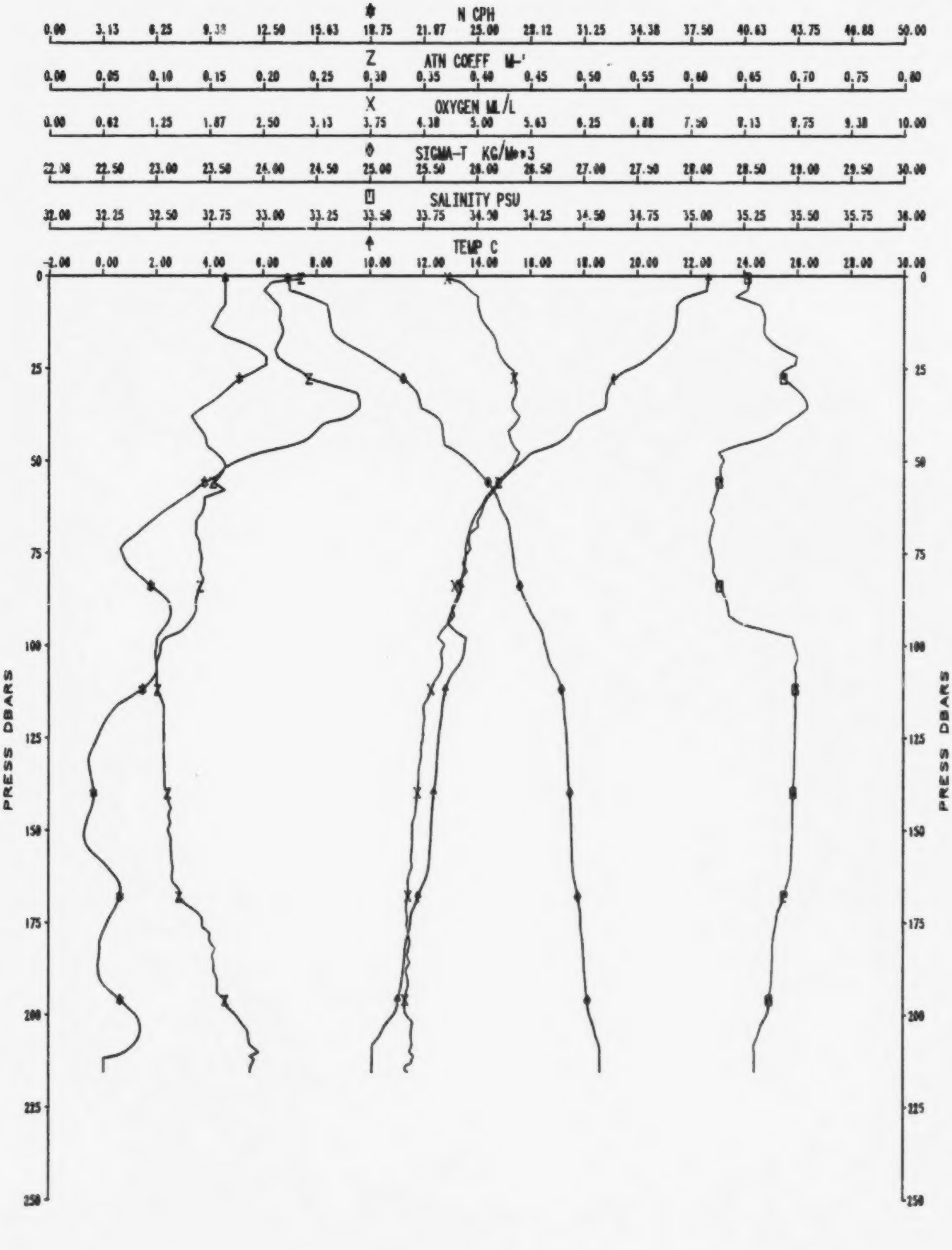
OC122A CAST #32



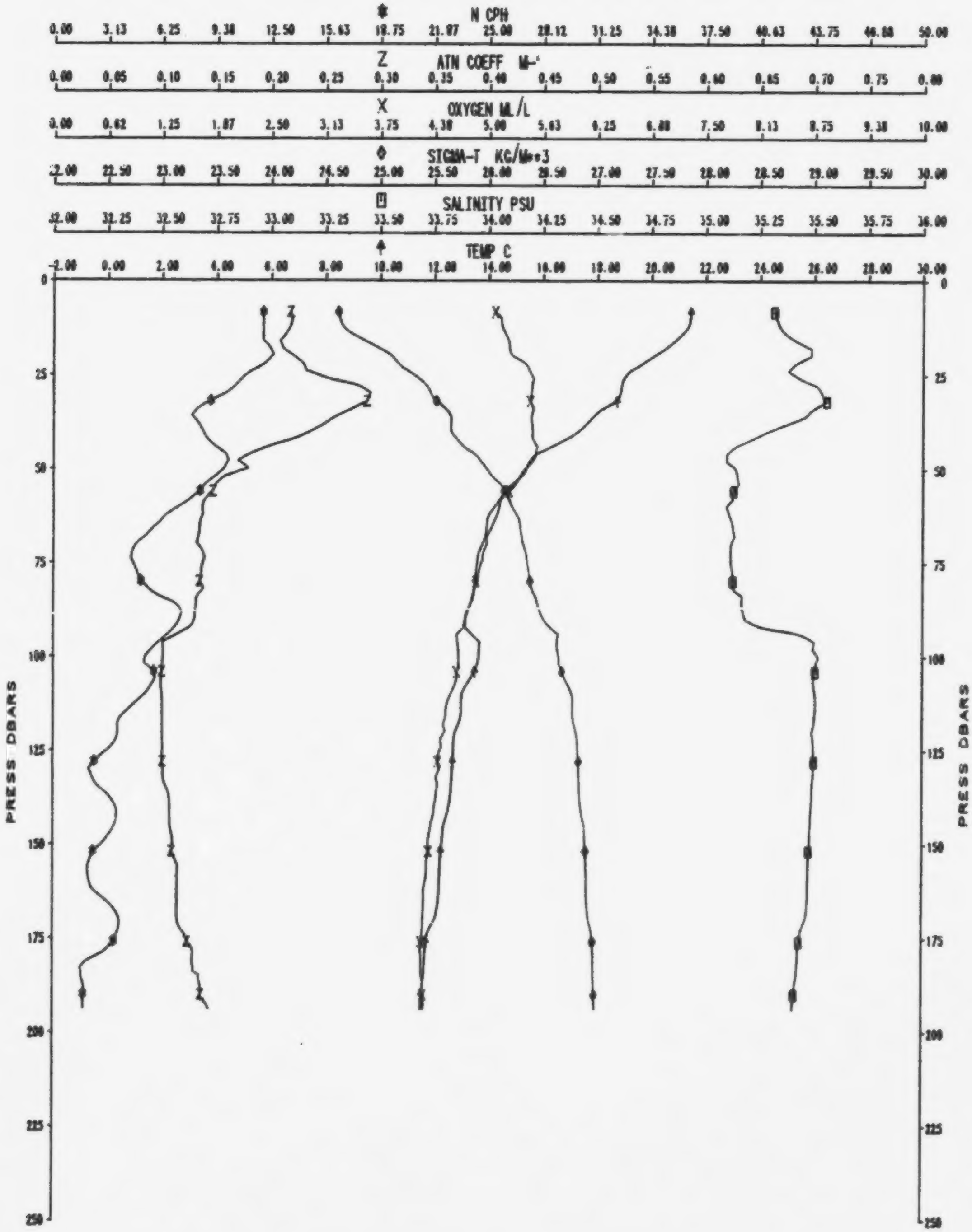
## OC122A CAST #33



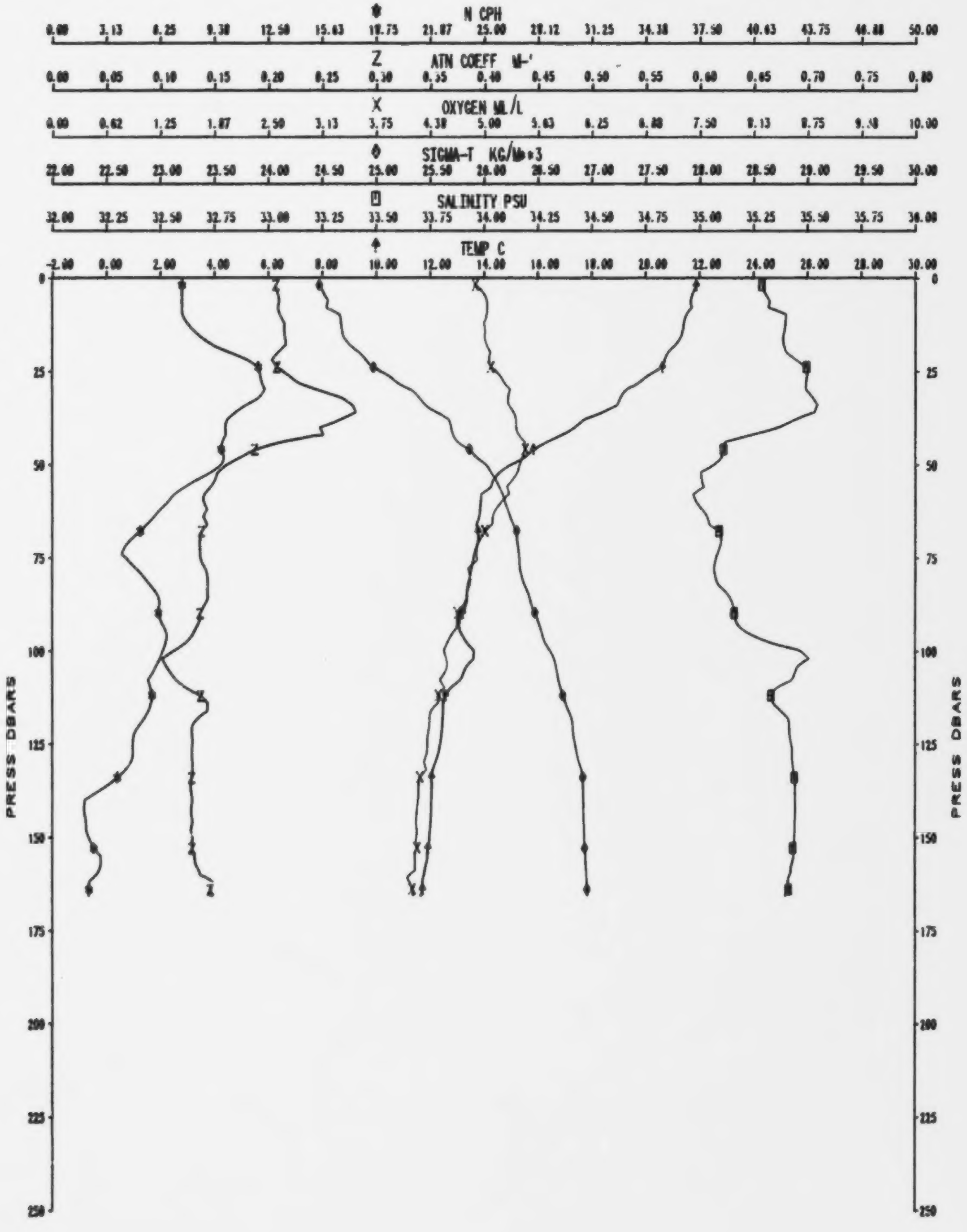
## OC122A CAST #34



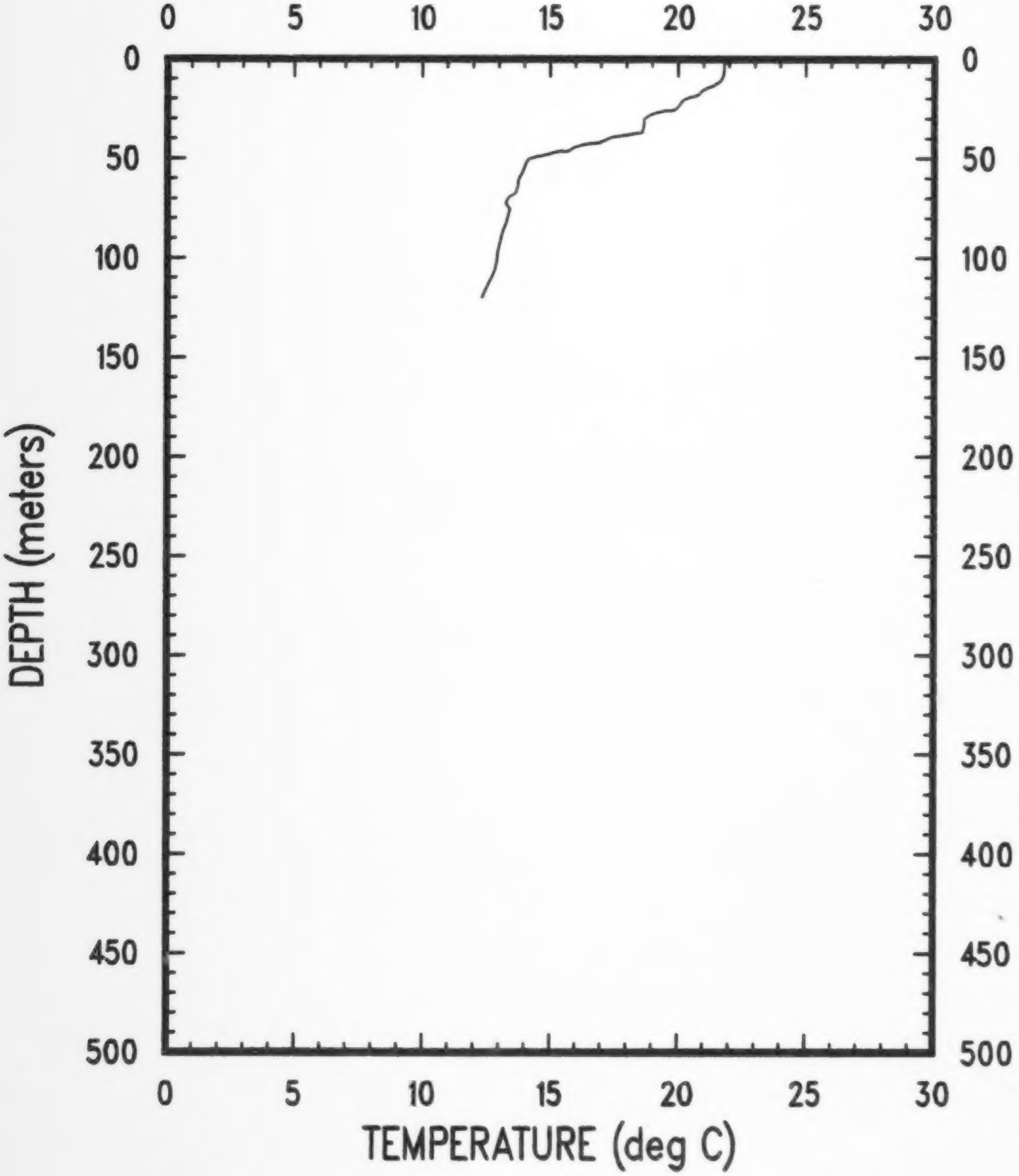
OC122B CAST #35



## OC122A CAST #36

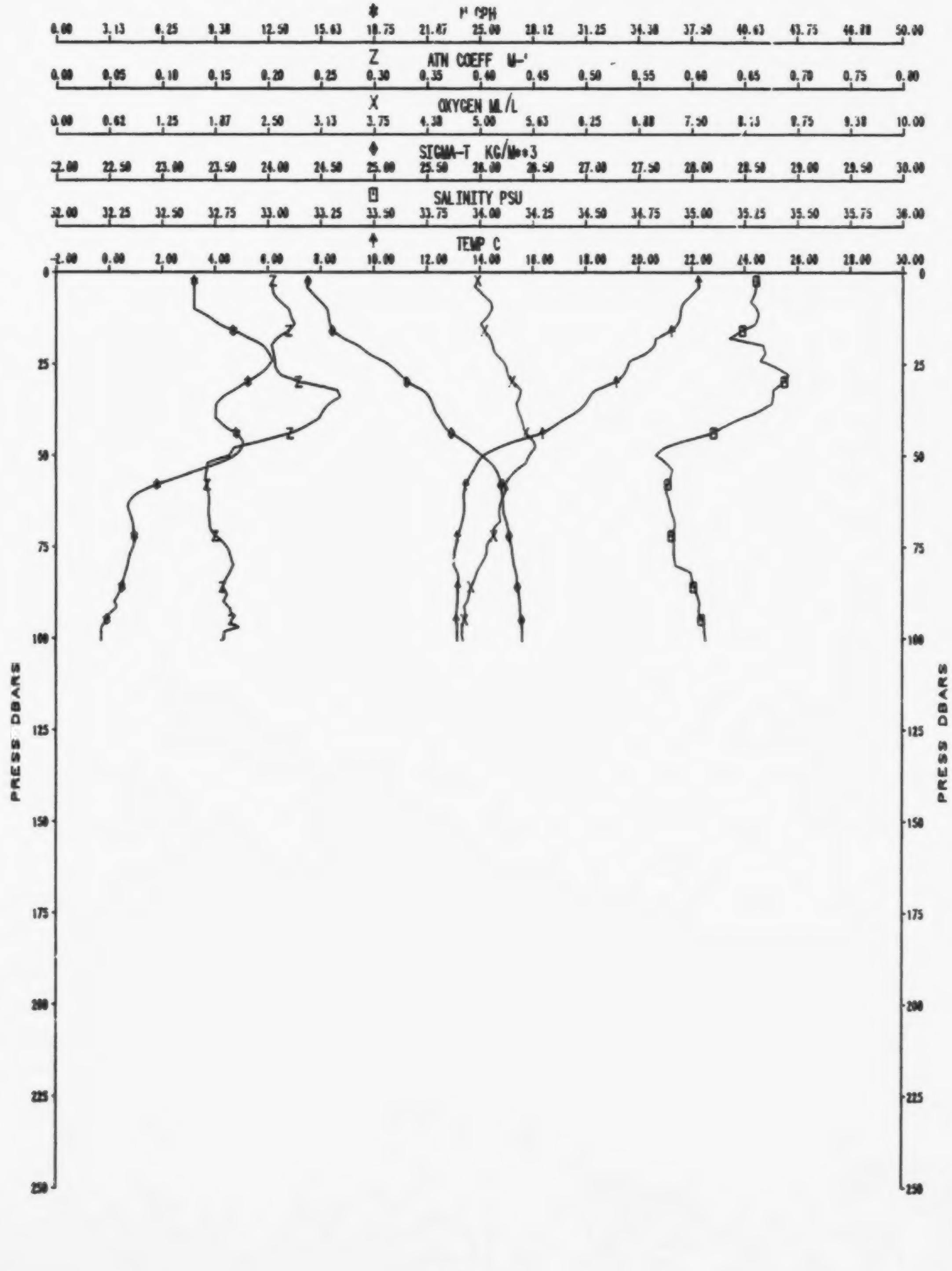


OC122 XBT-37

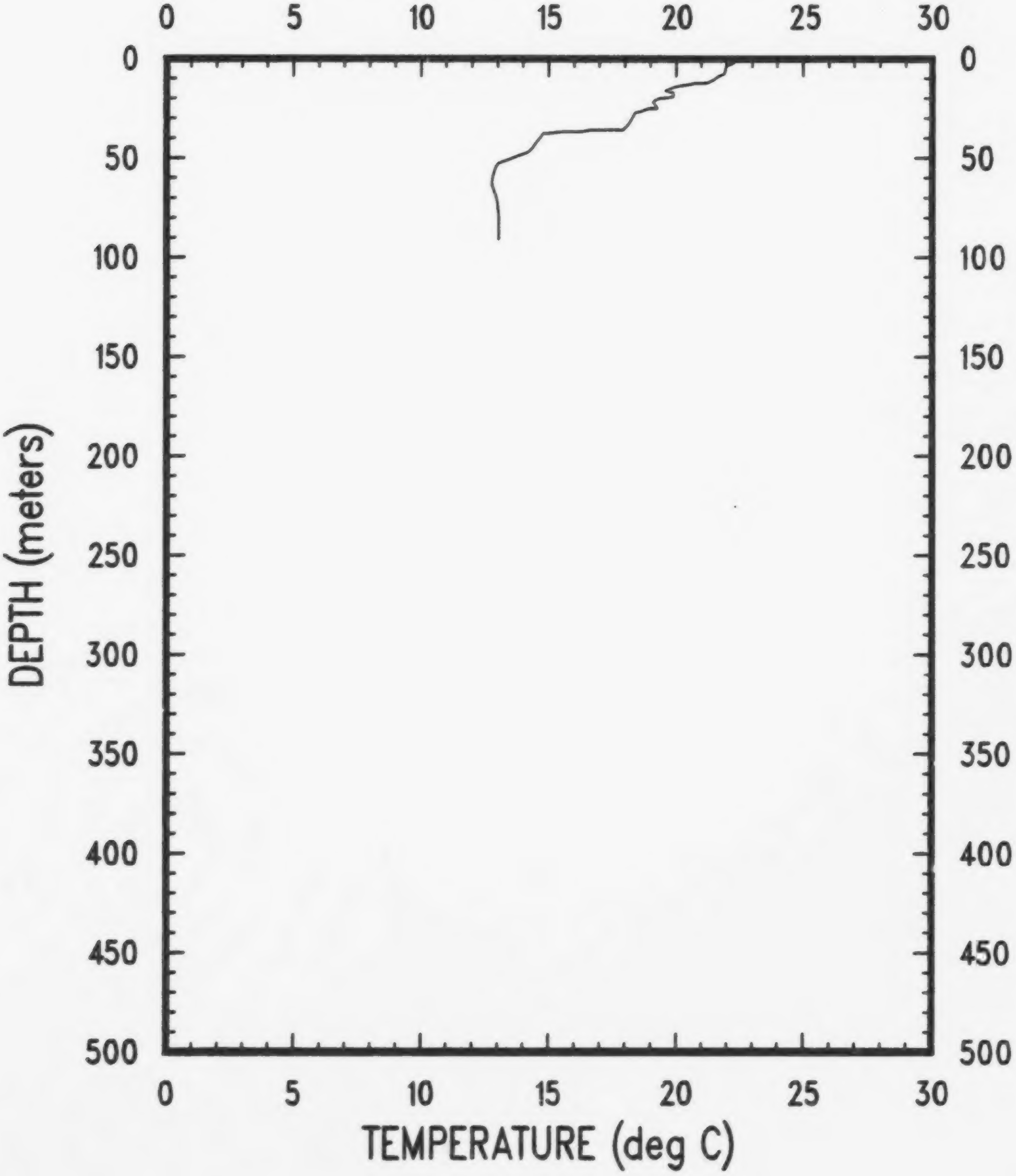


0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #38

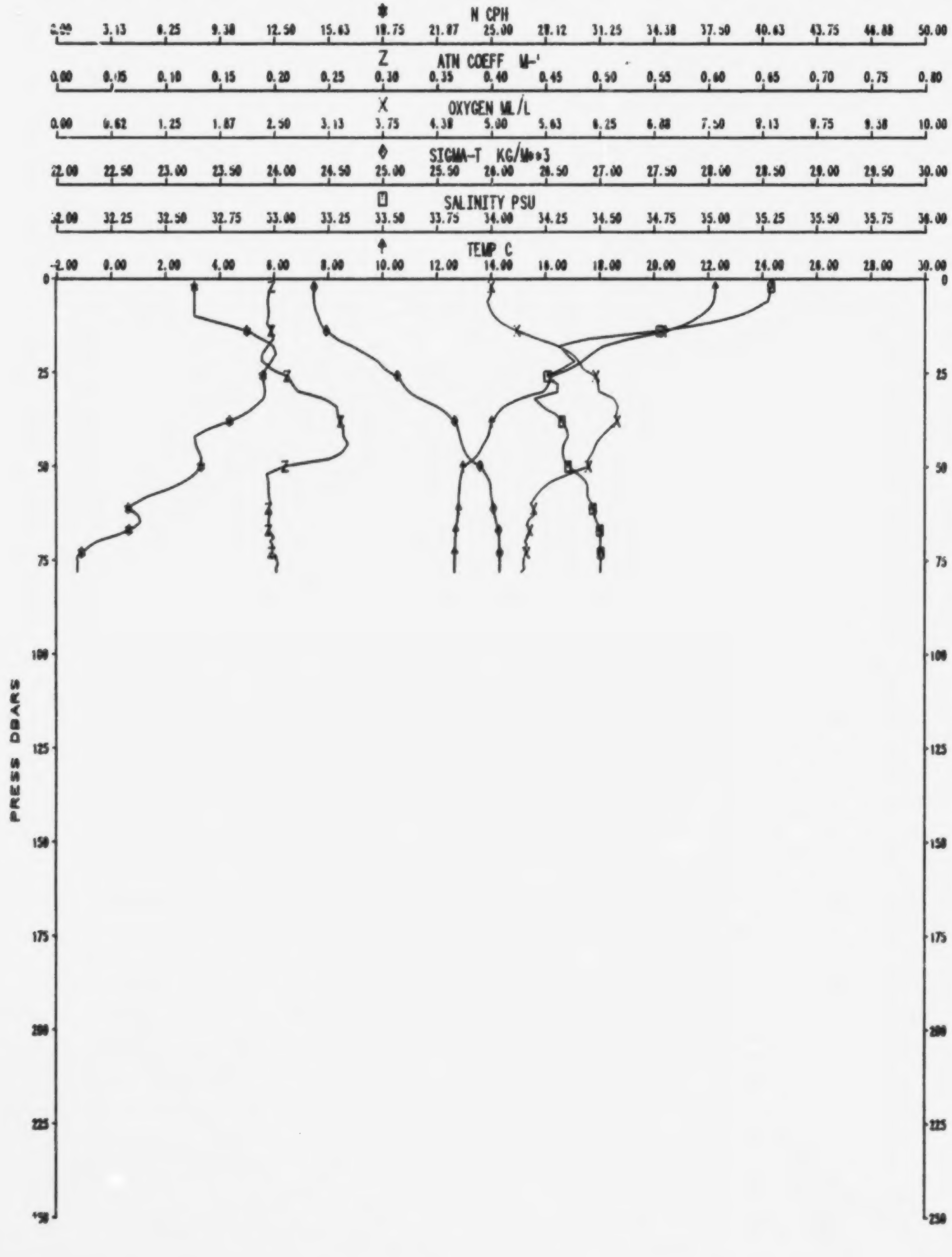


# OC122 XBT-39



0
5
10
15
20
25
30
0
50
100
150
200
250
300
350
400
450
500
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #40



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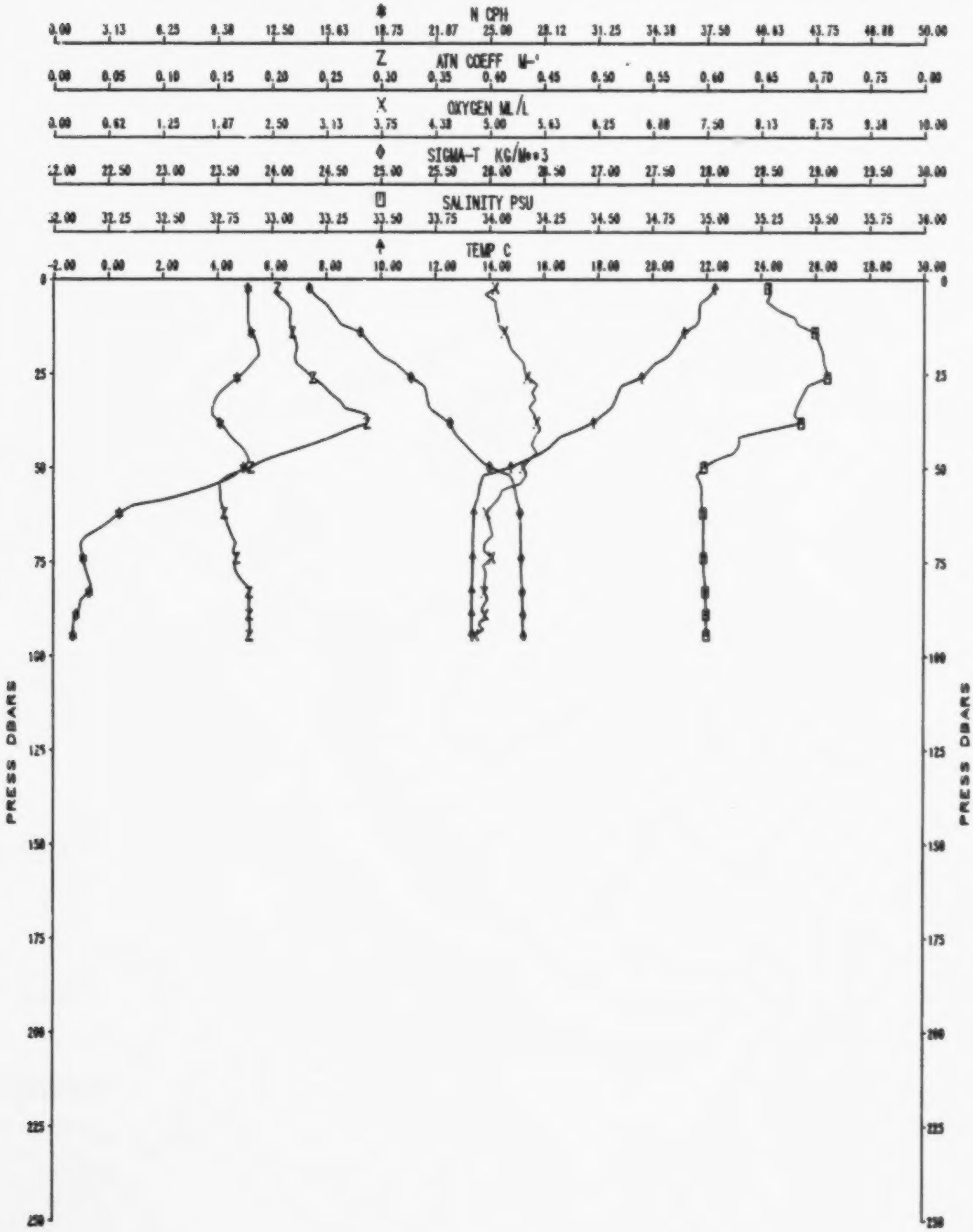
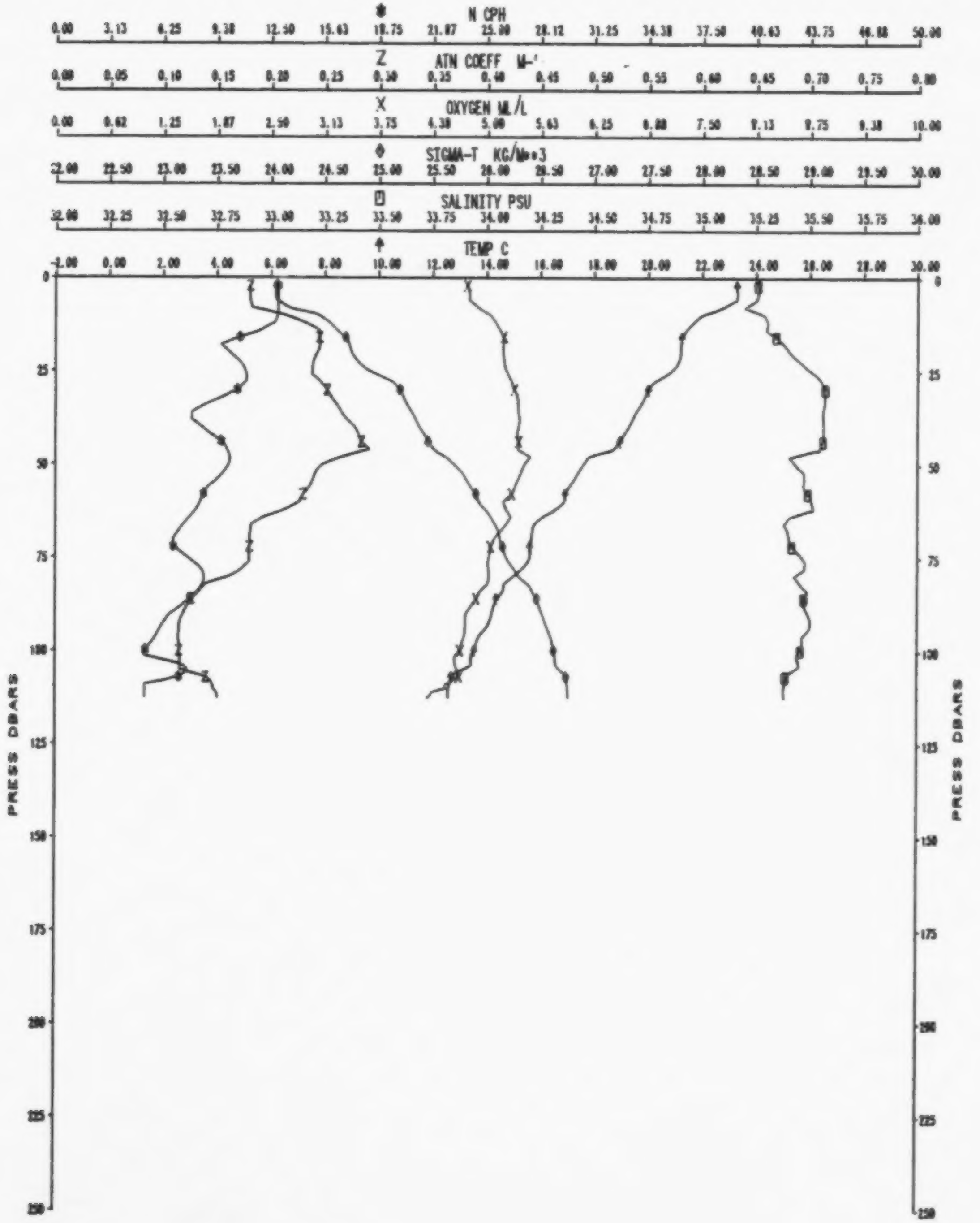
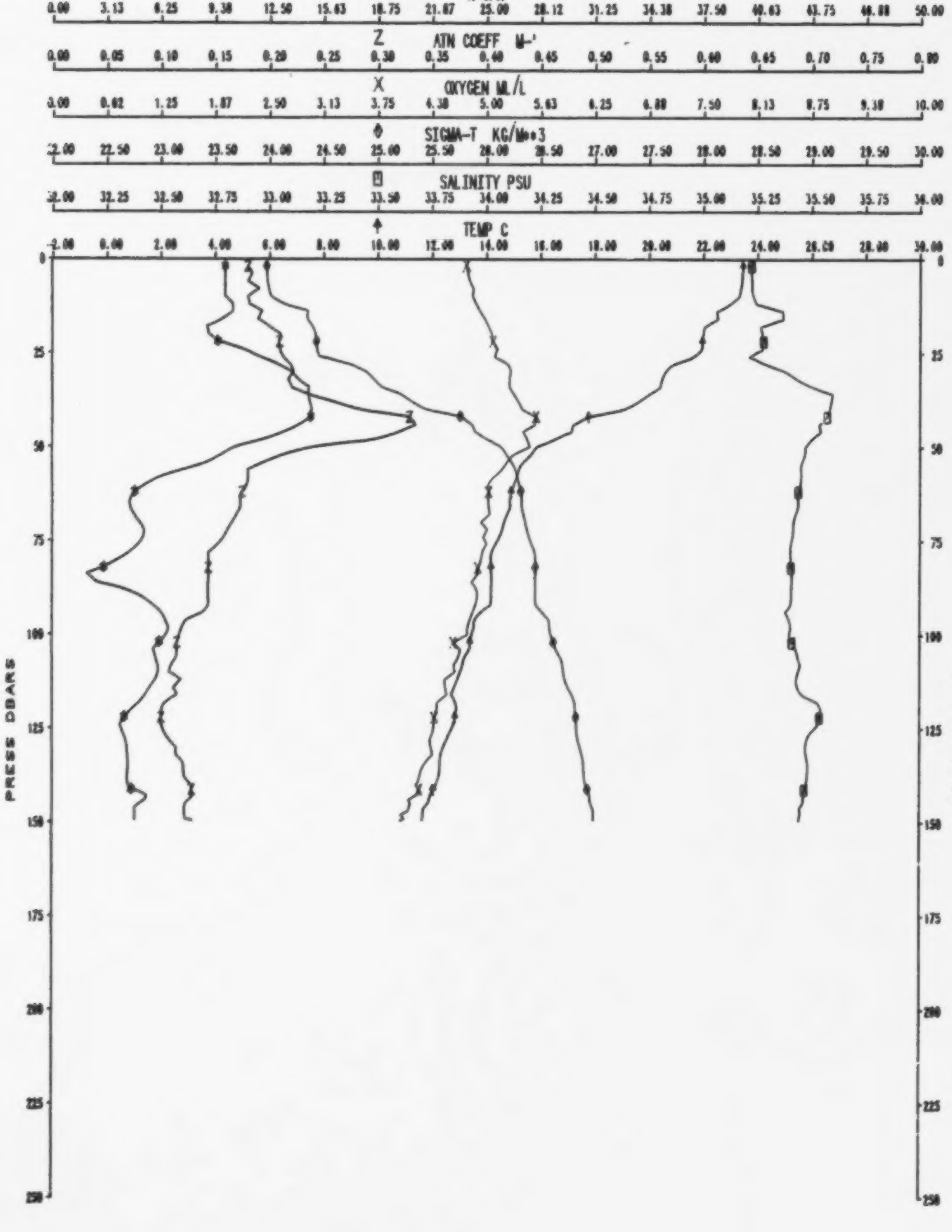


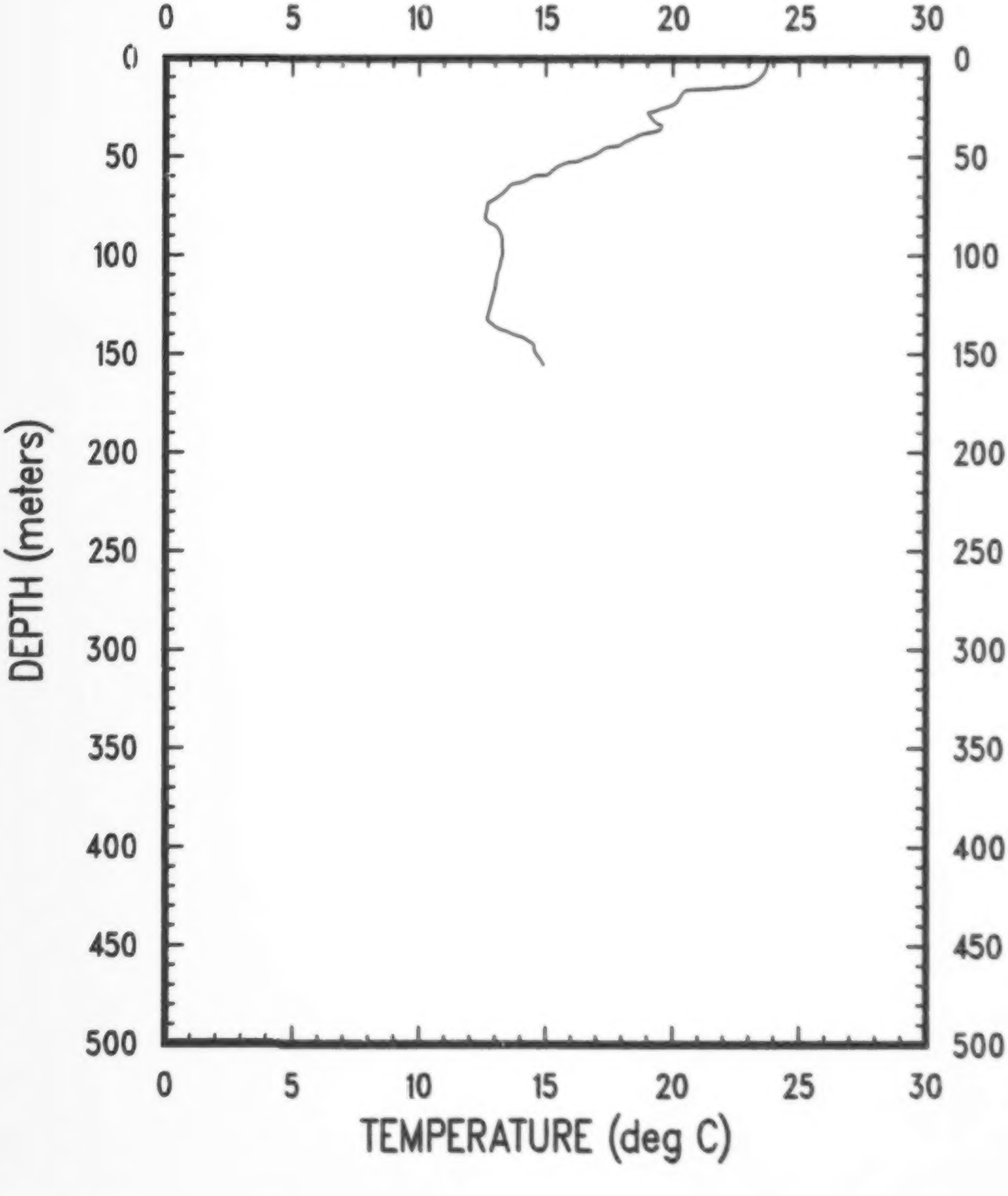
OC122A CAST #42



OC122A CAST #43



## OC122 XBT-44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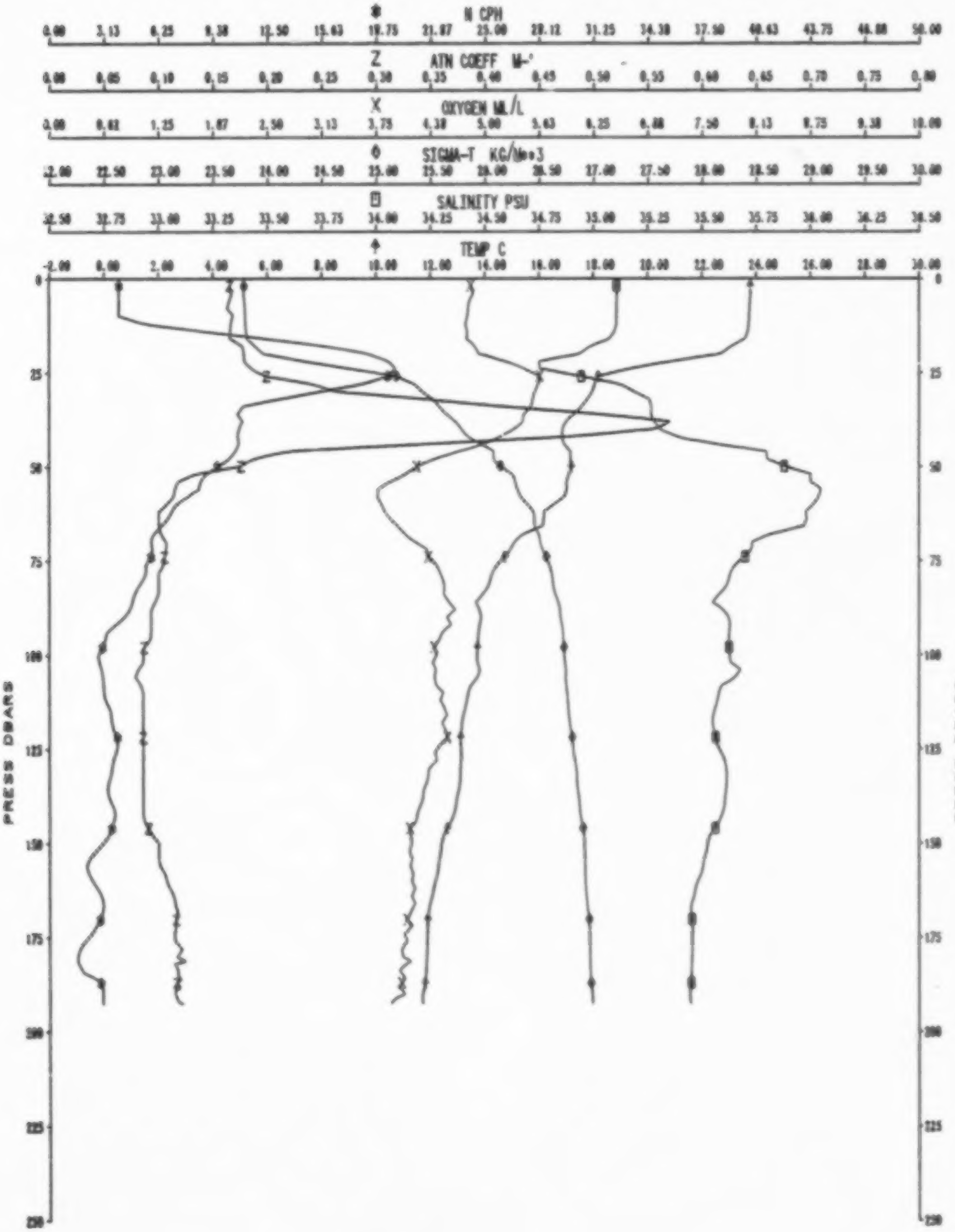
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #45



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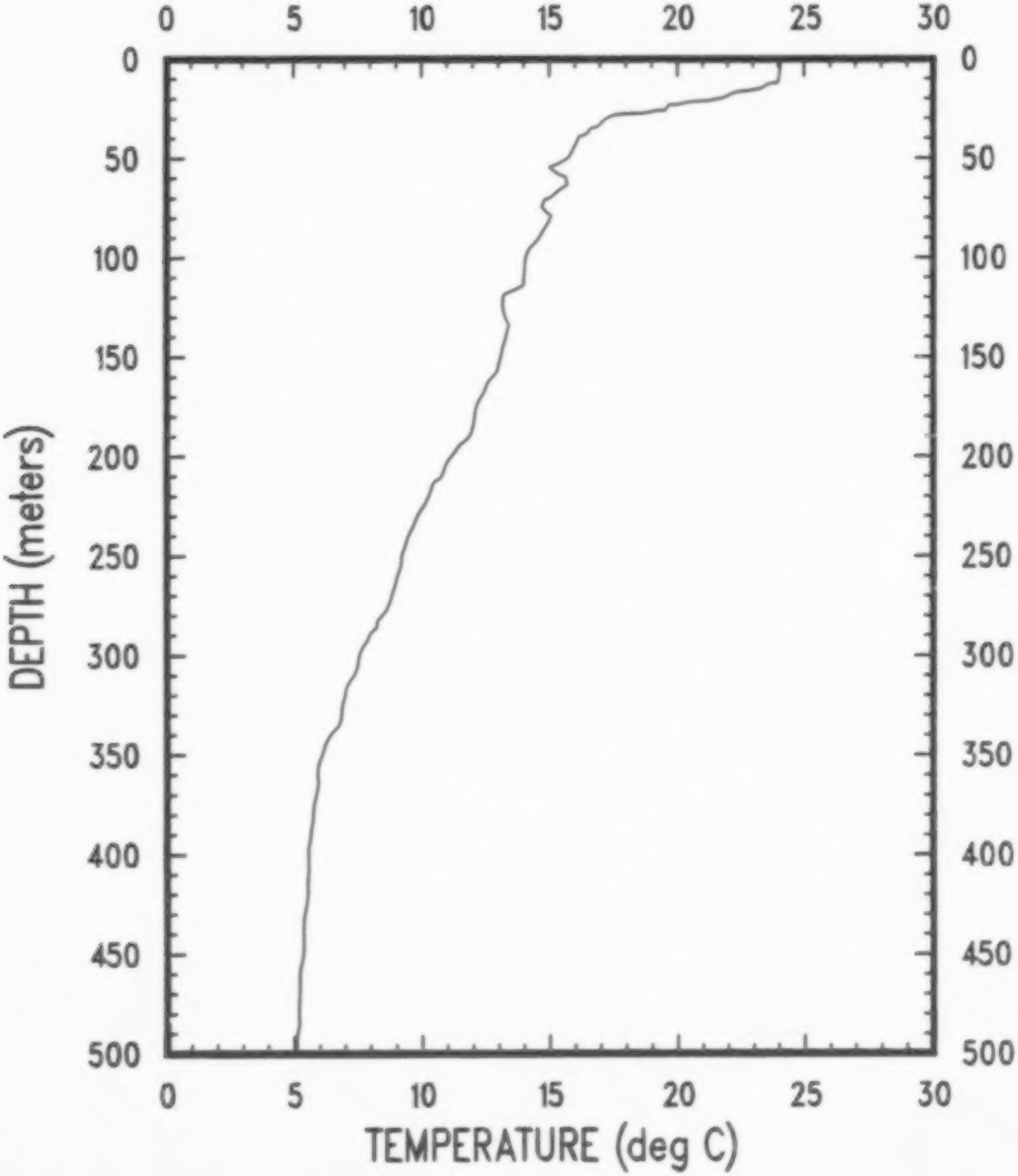
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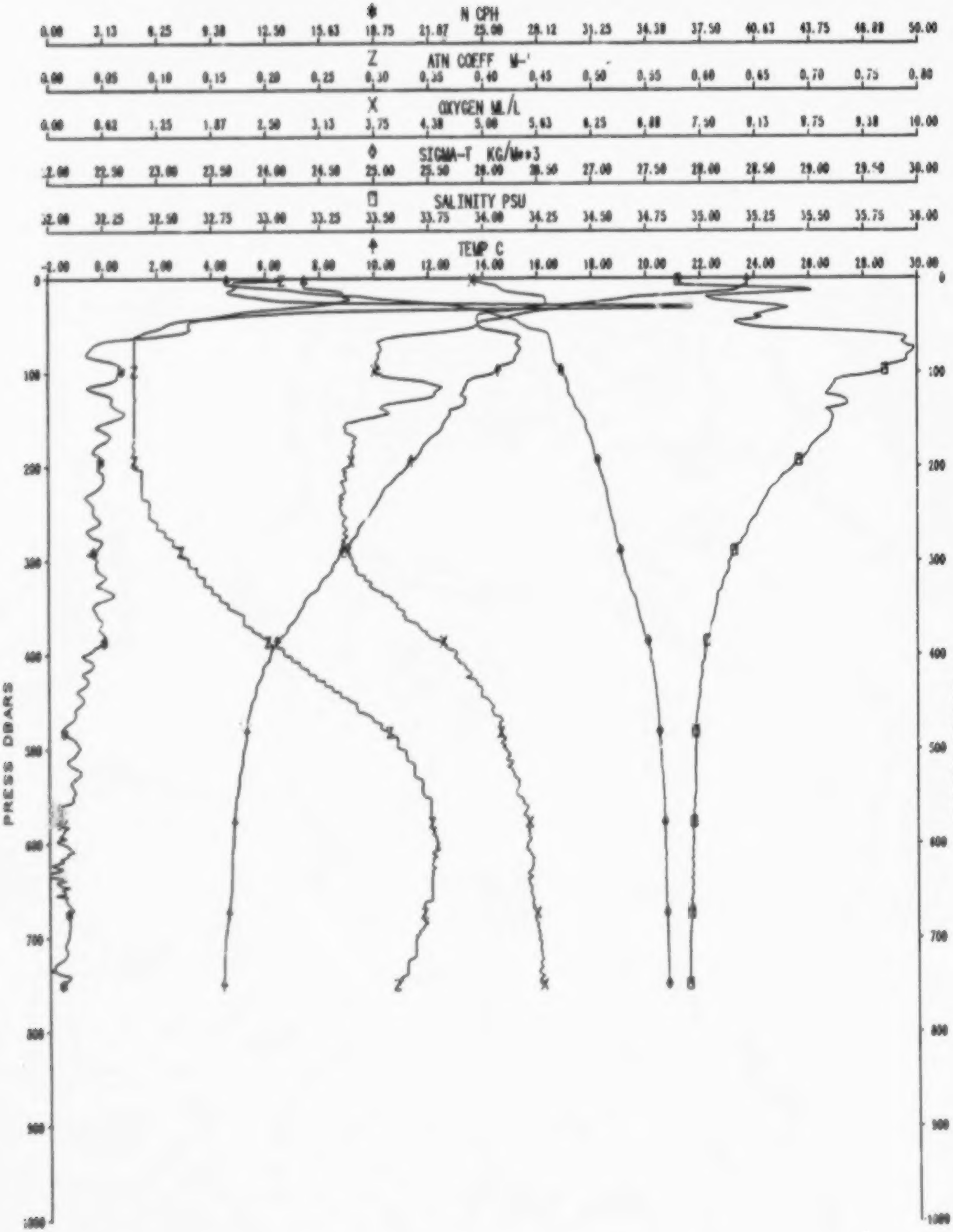
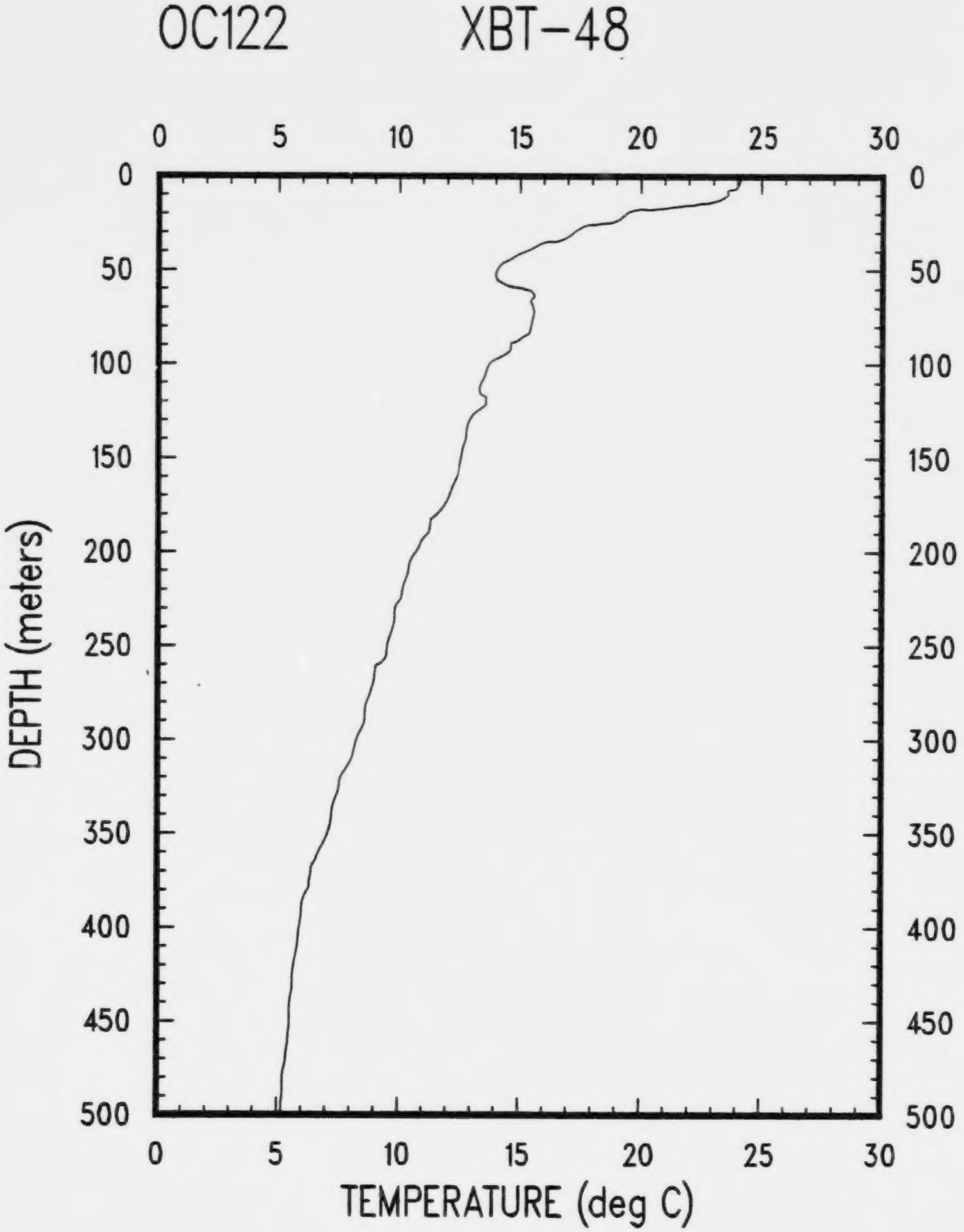
DEPTH (meters)
TEMPERATURE (deg C)

OC122B CAST #47




OC122
XBT-48
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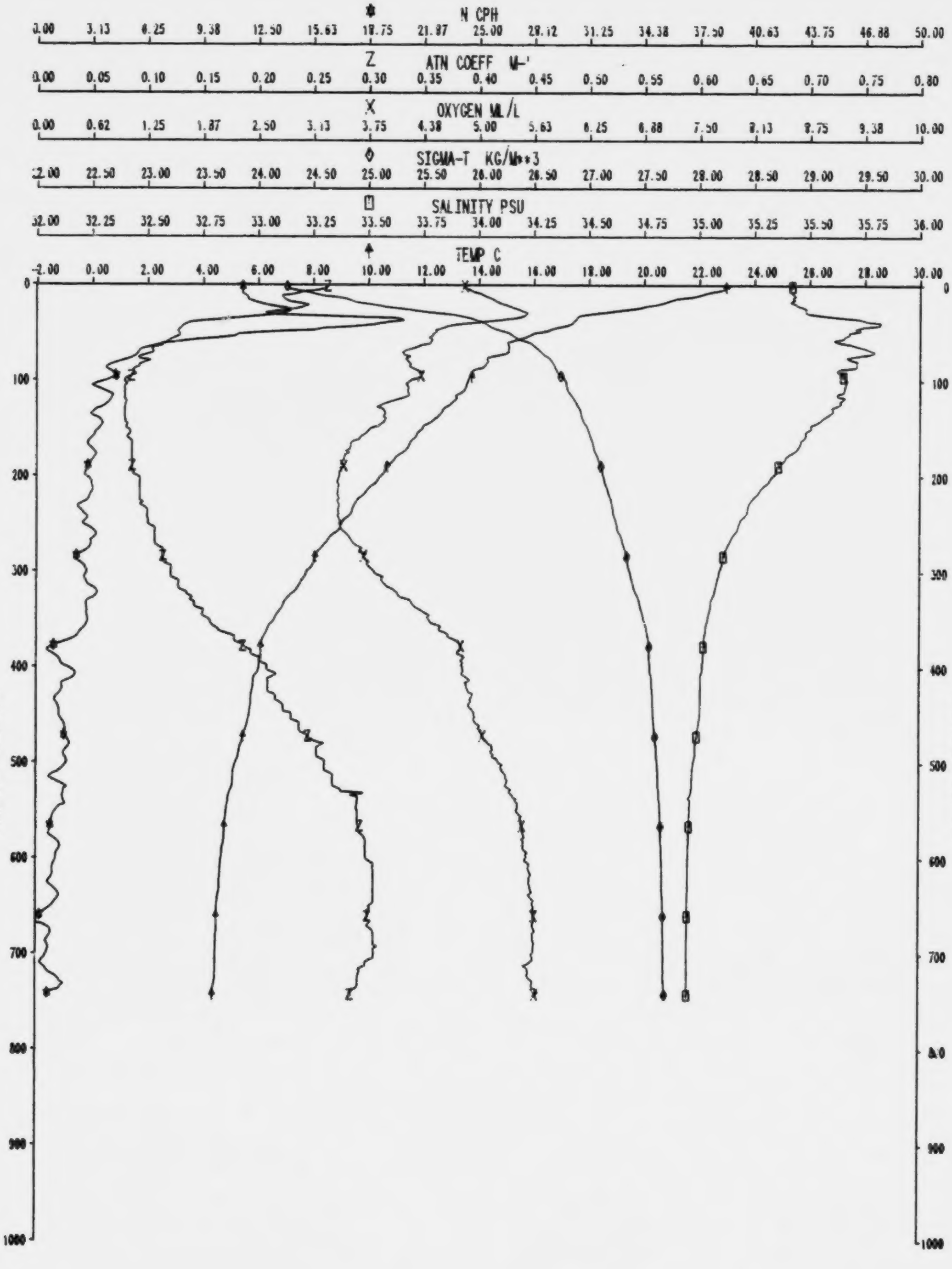
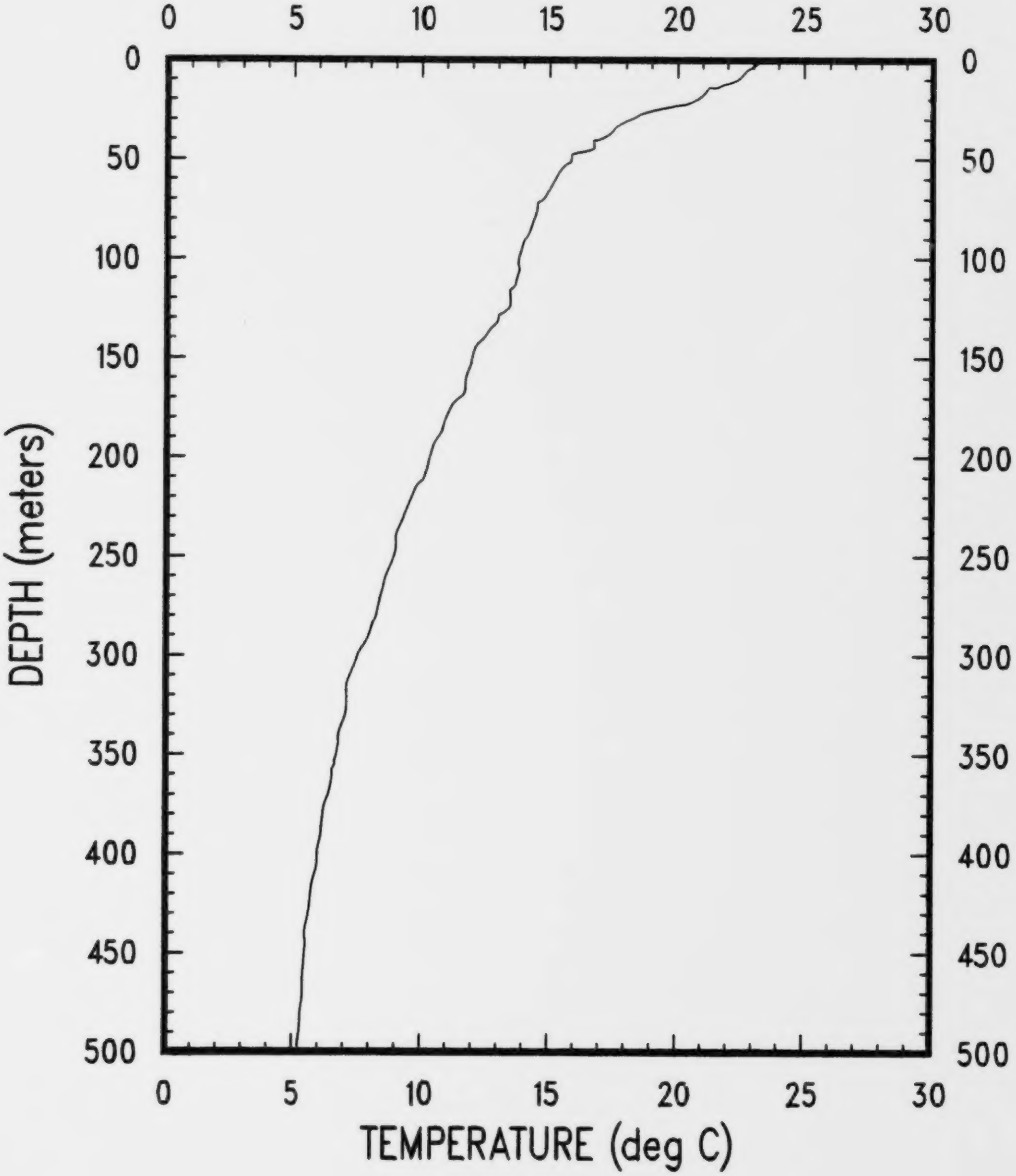
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #49



OC122 XBT-50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DEPTH (meters)
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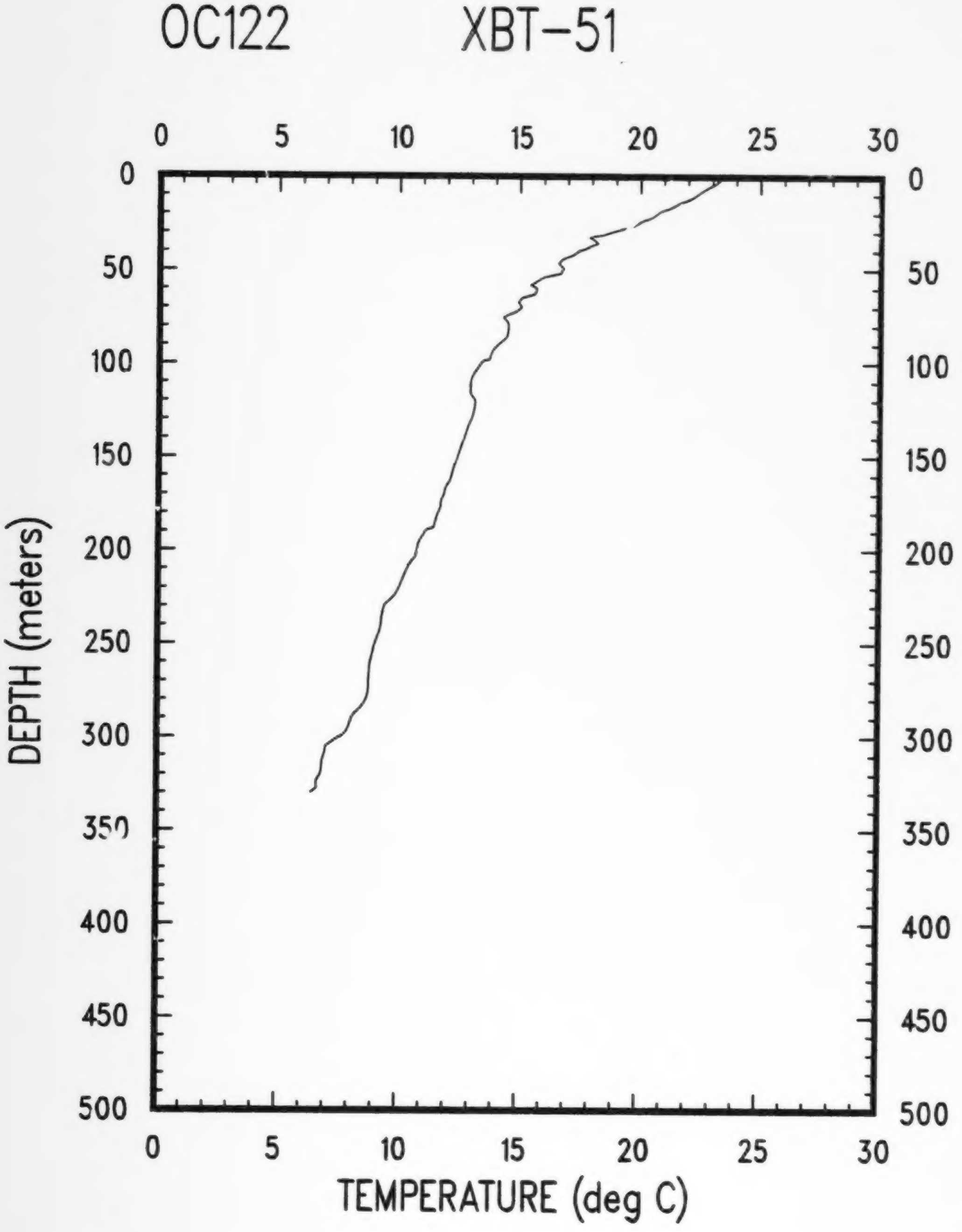
TEMPERATURE (deg C)


OC122
XBT-51
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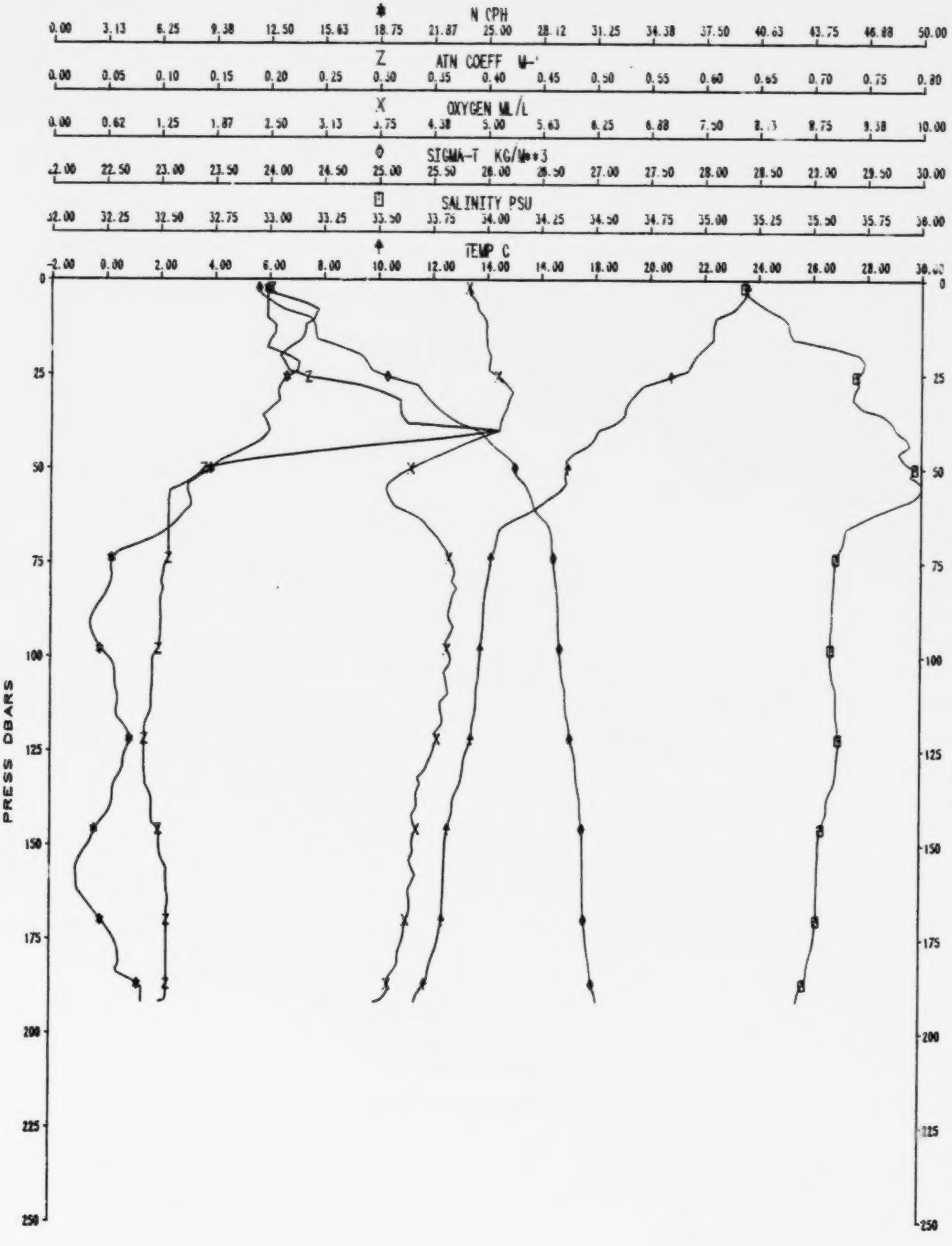
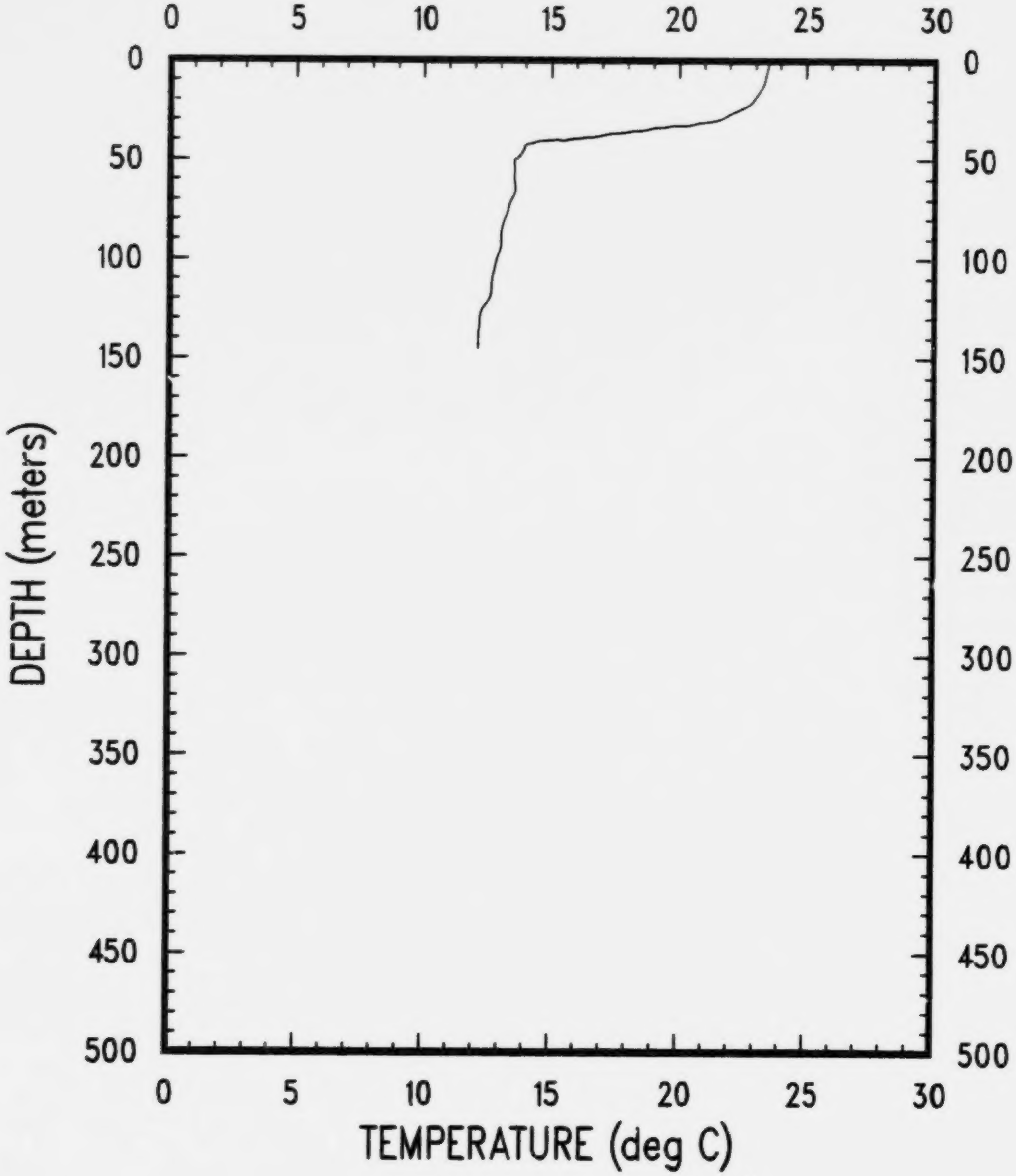
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #52



OC122 XBT-53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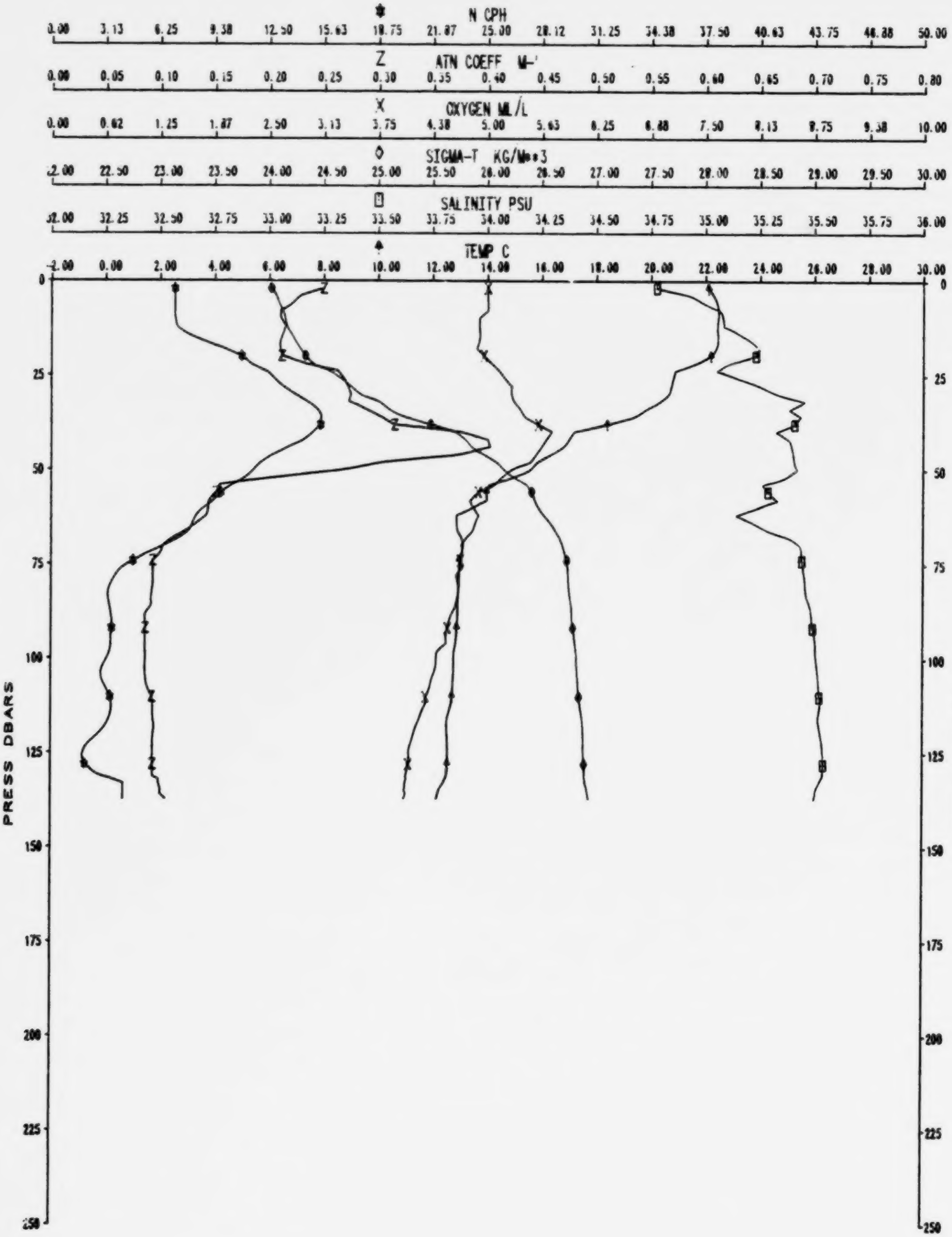
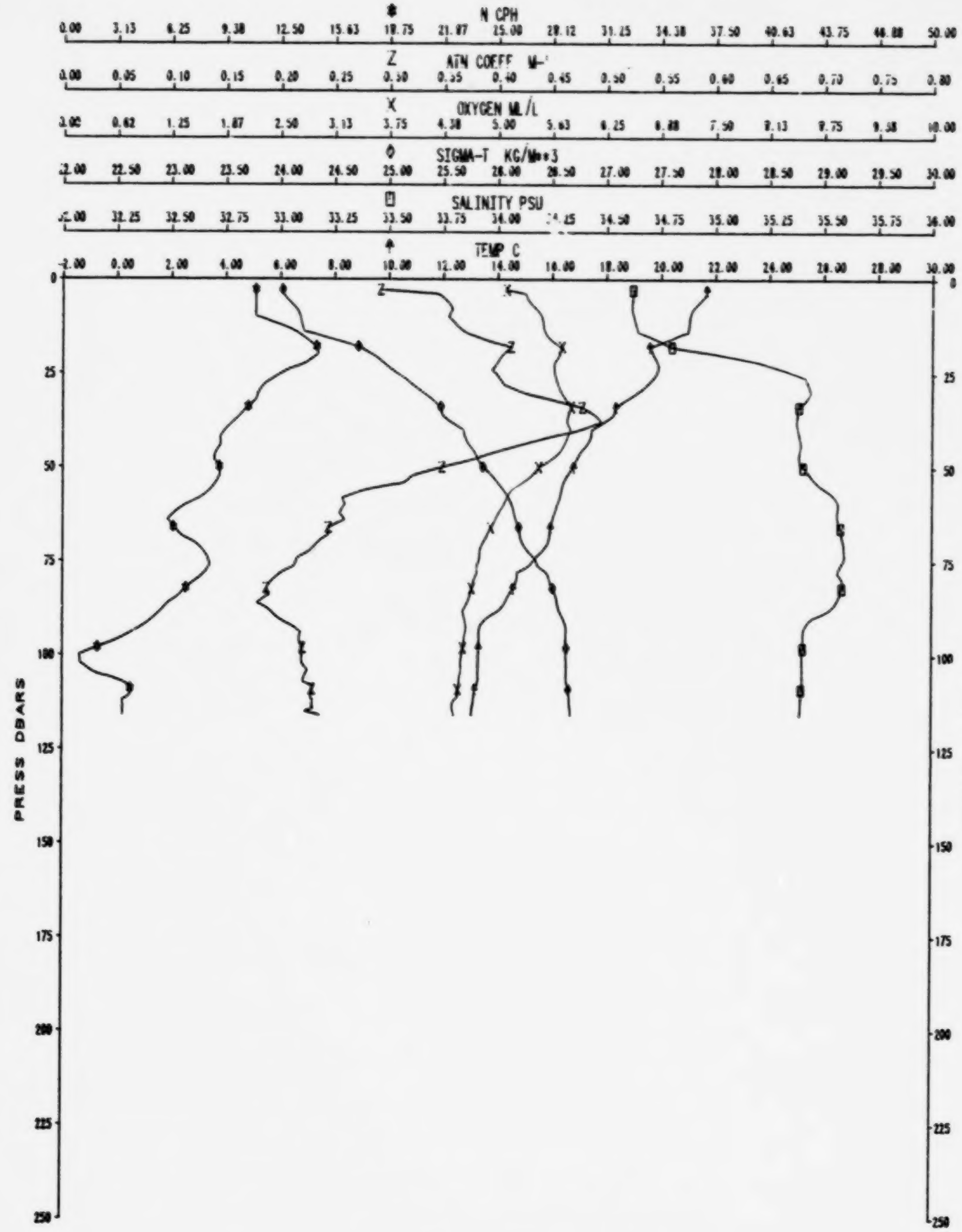
DEPTH (meters)
TEMPERATURE (deg C)

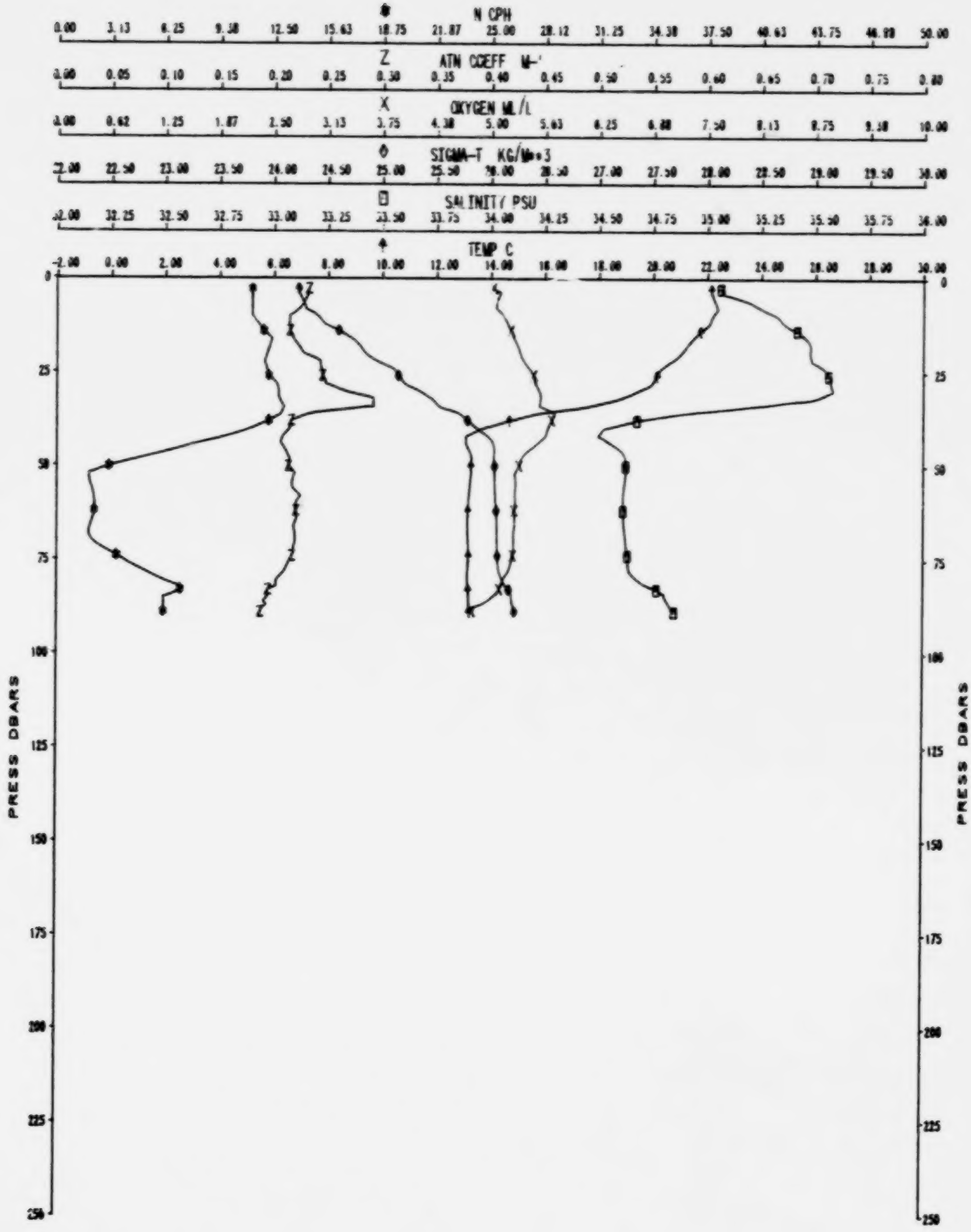
OC122A CAST #54



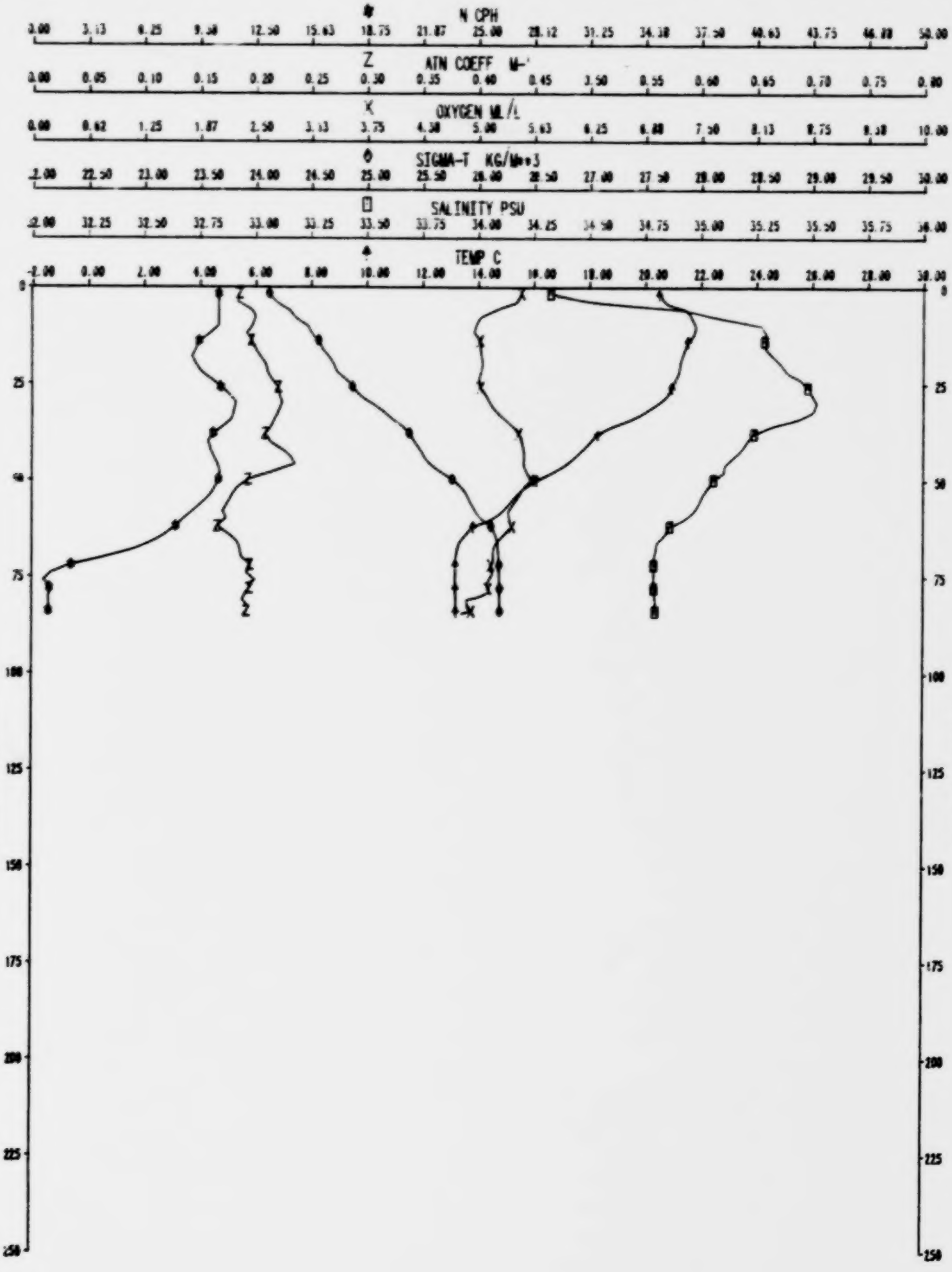
OC122U CAST #55



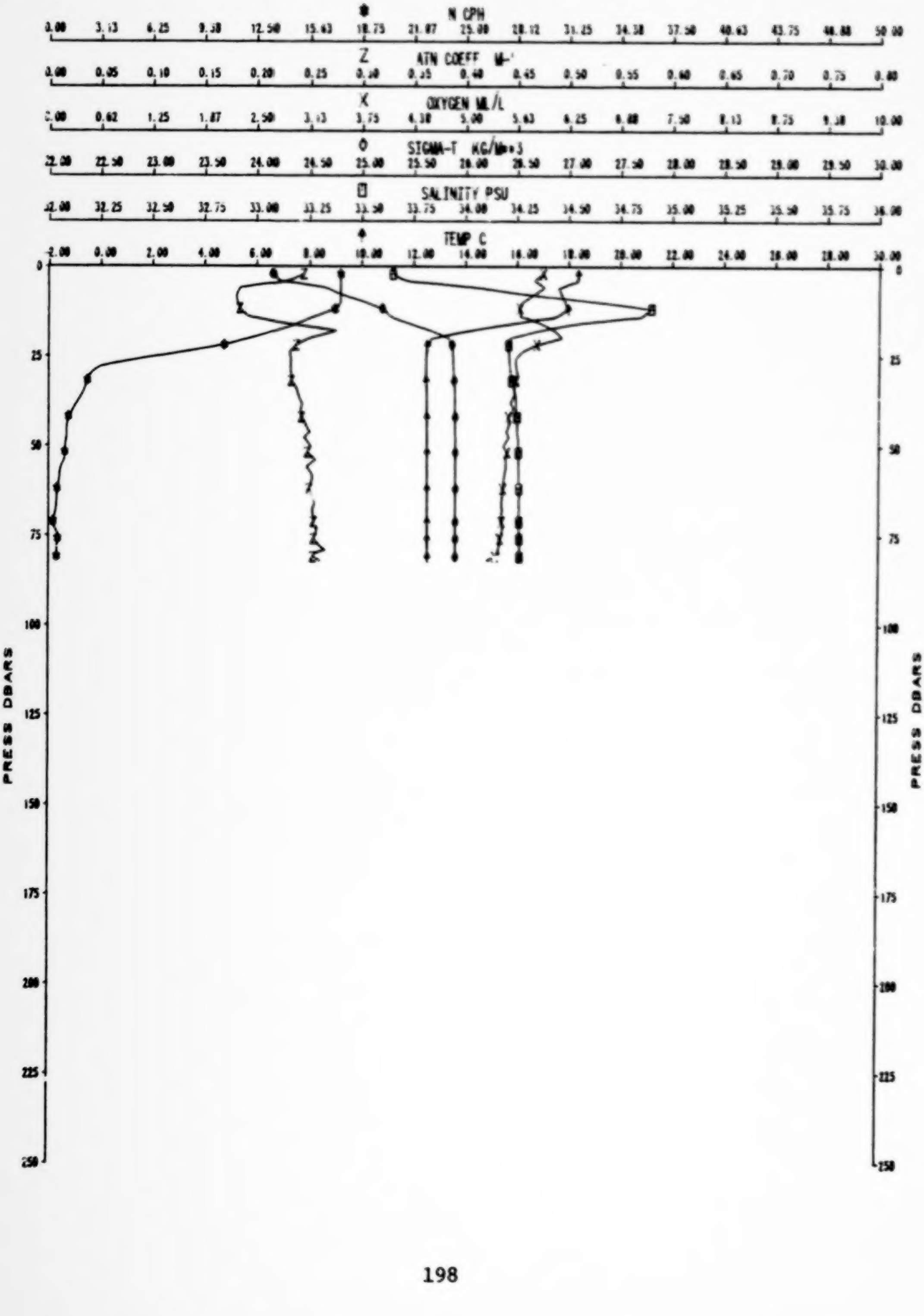
OC122U CAST #56



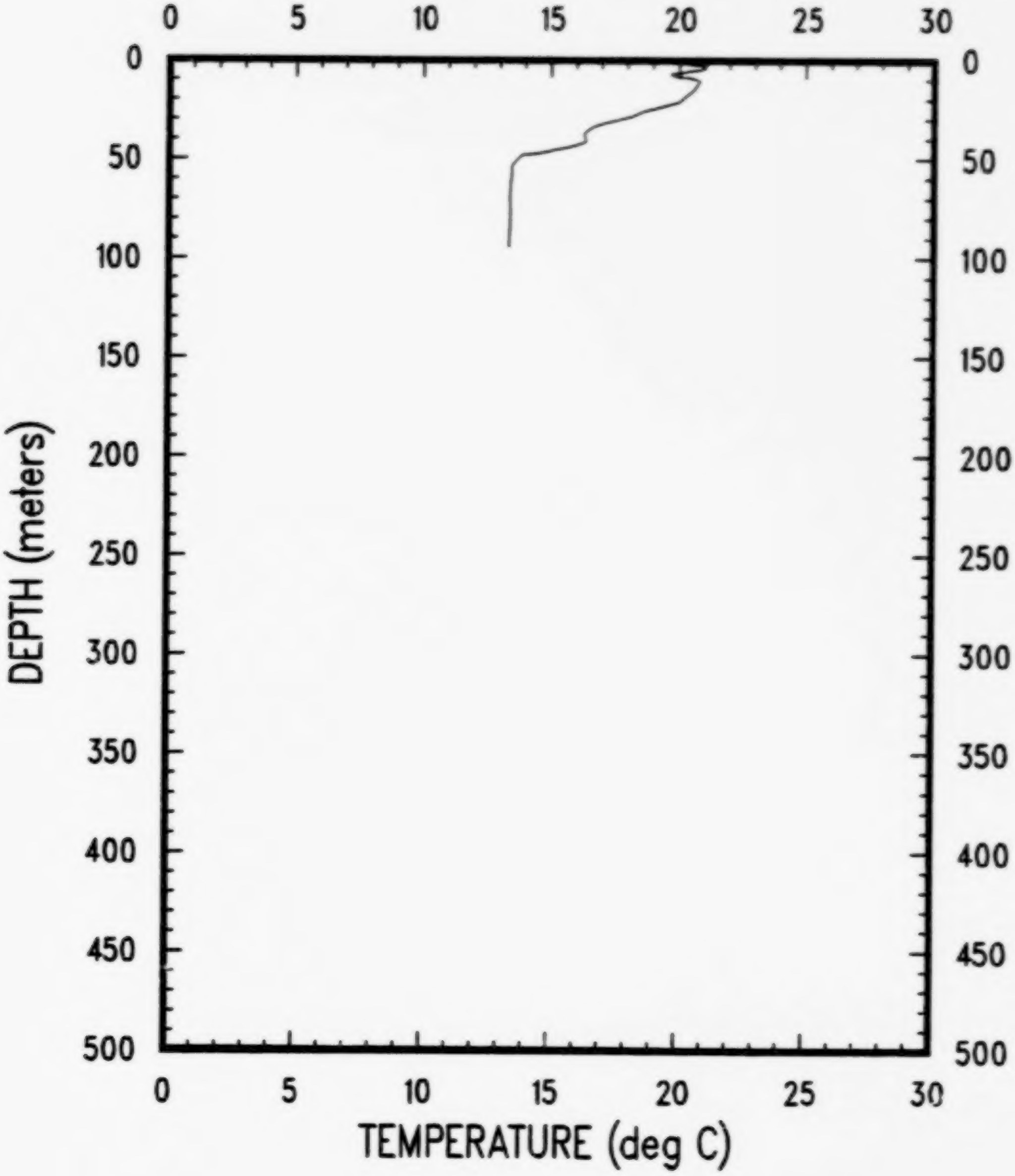
## OC122A CAST #57



OC122A CAST #58



## OC122 XBT-59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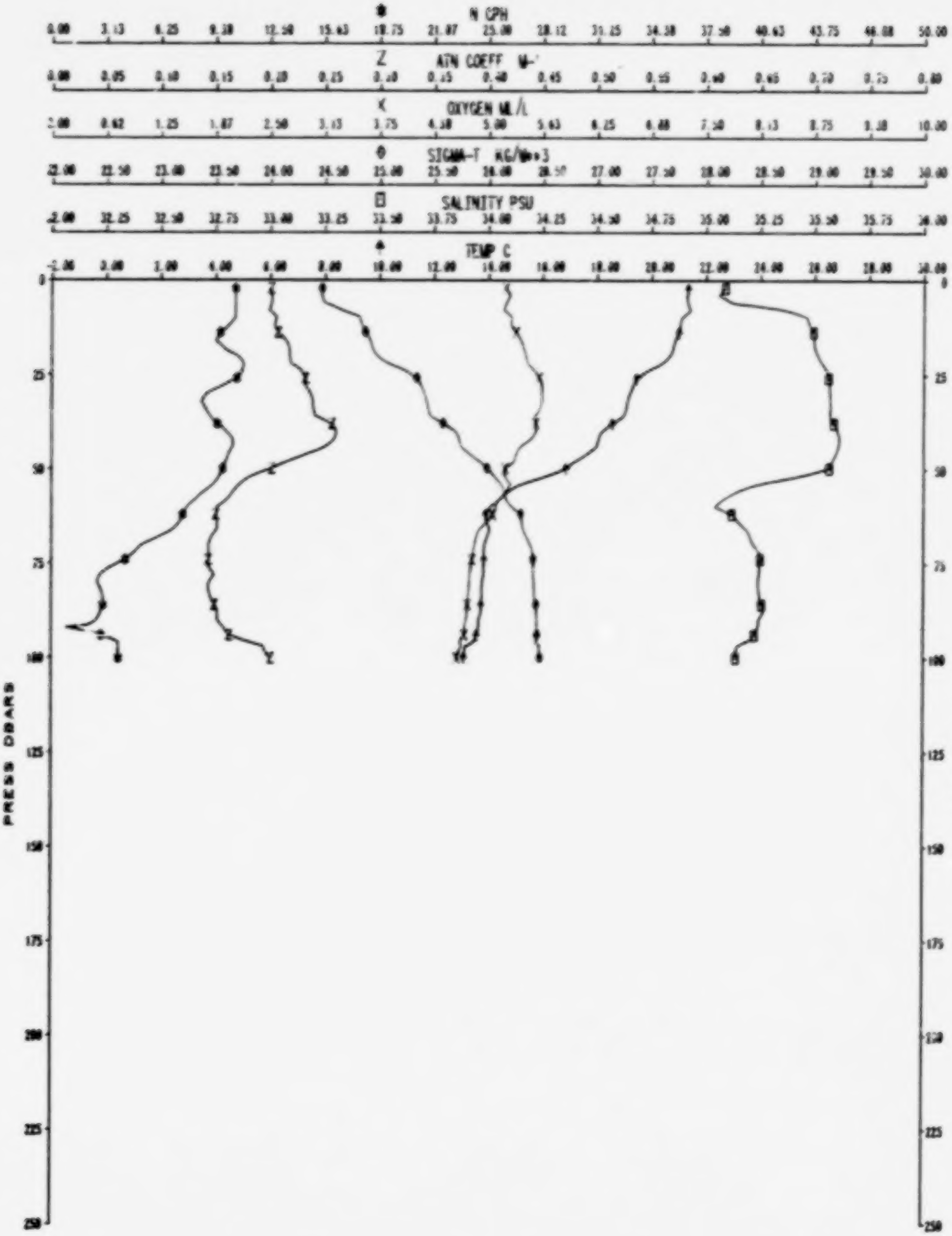
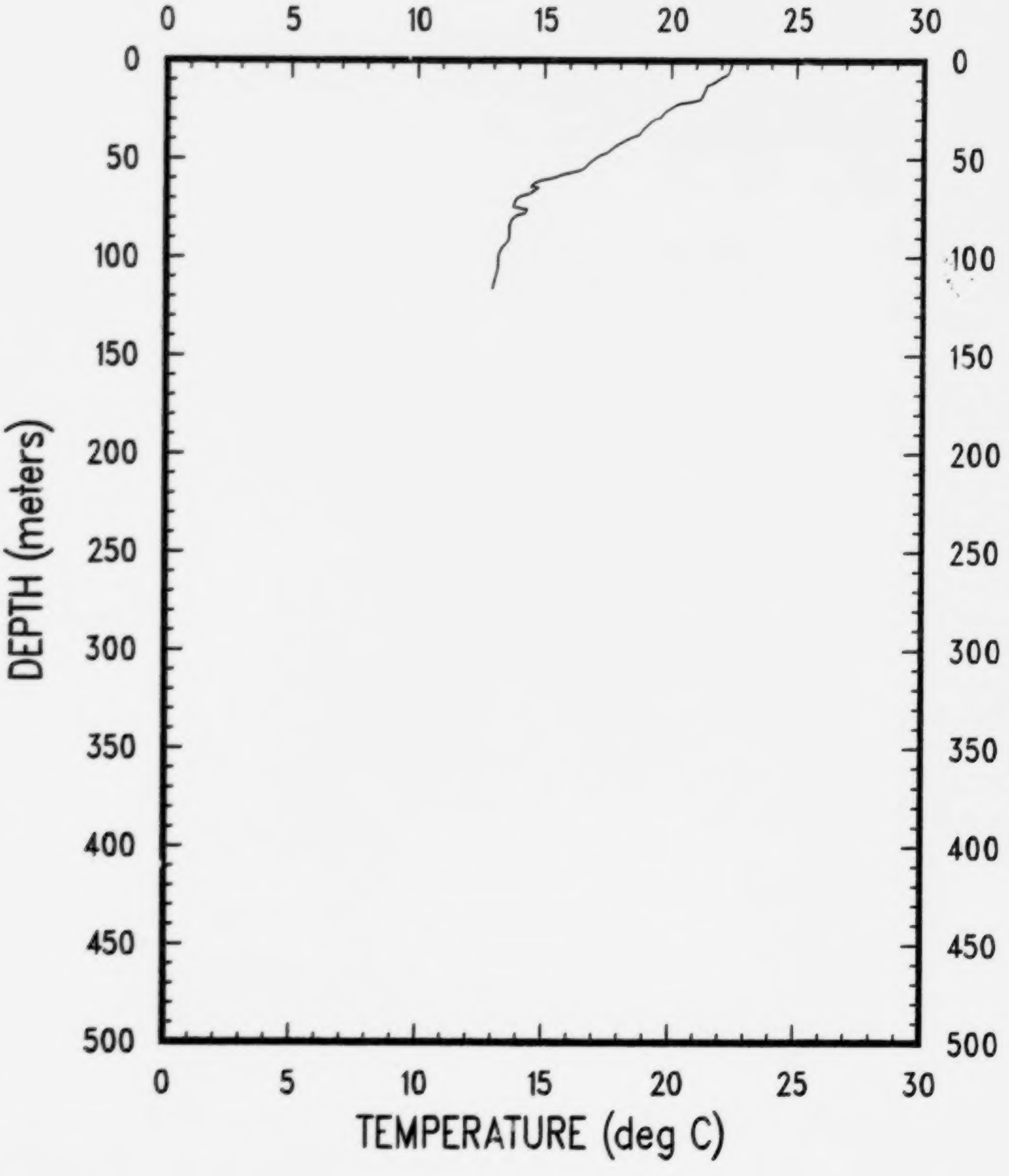
DEPTH (meters)
TEMPERATURE (deg C)

OC122U CAST #60



OC122 XBT-61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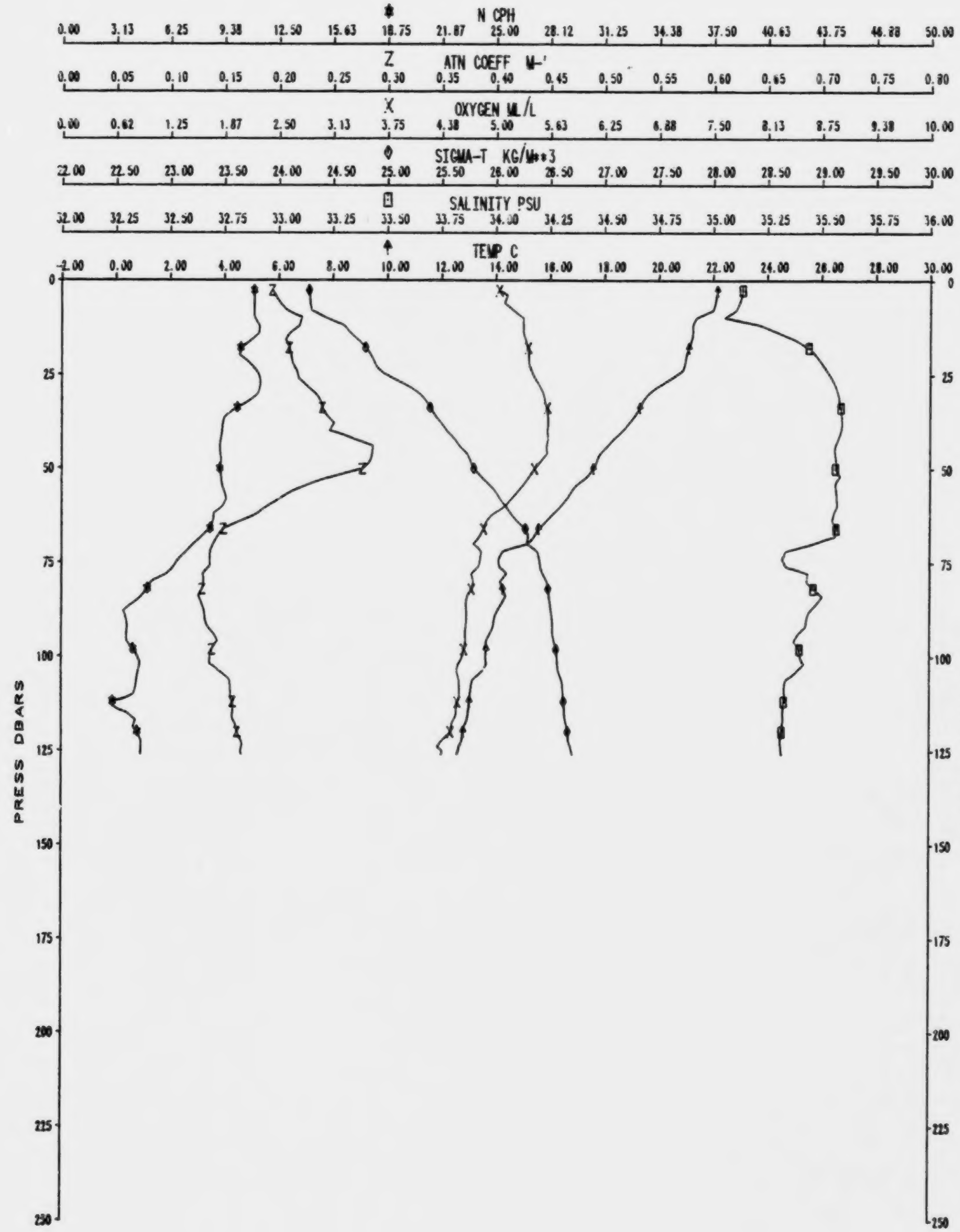
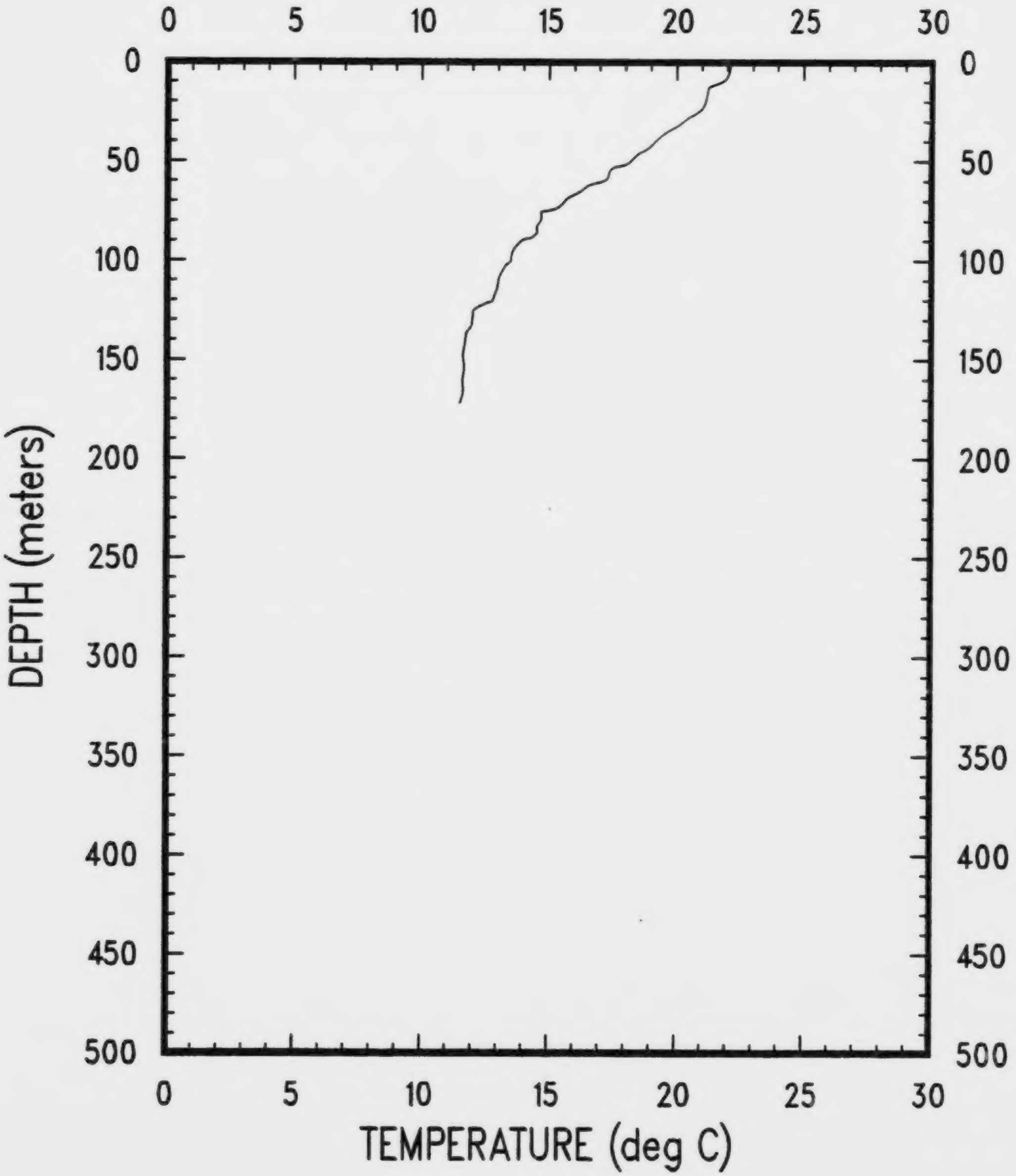
DEPTH (meters)
TEMPERATURE (deg C)

OC122U CAST #62



OC122 XBT-63



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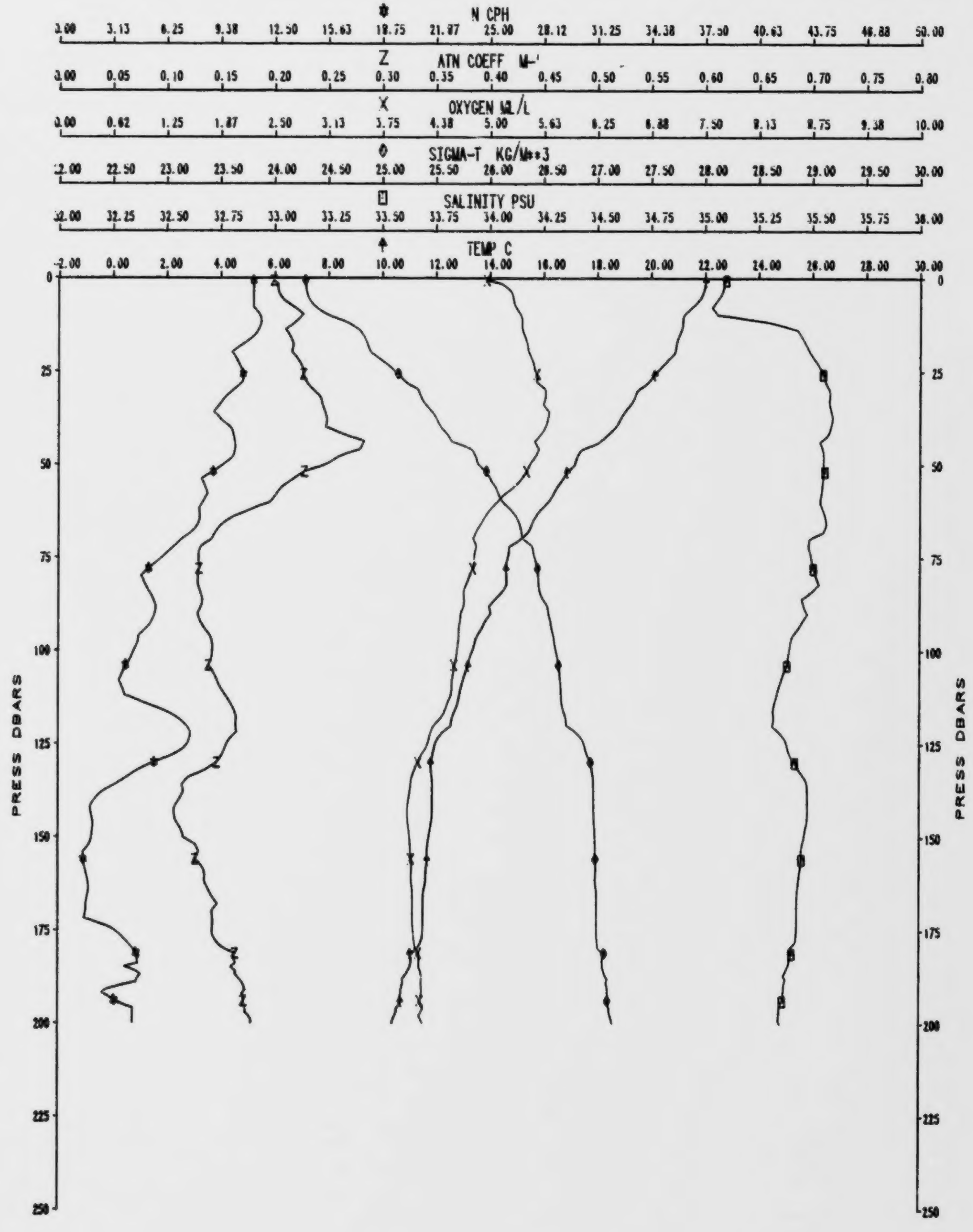
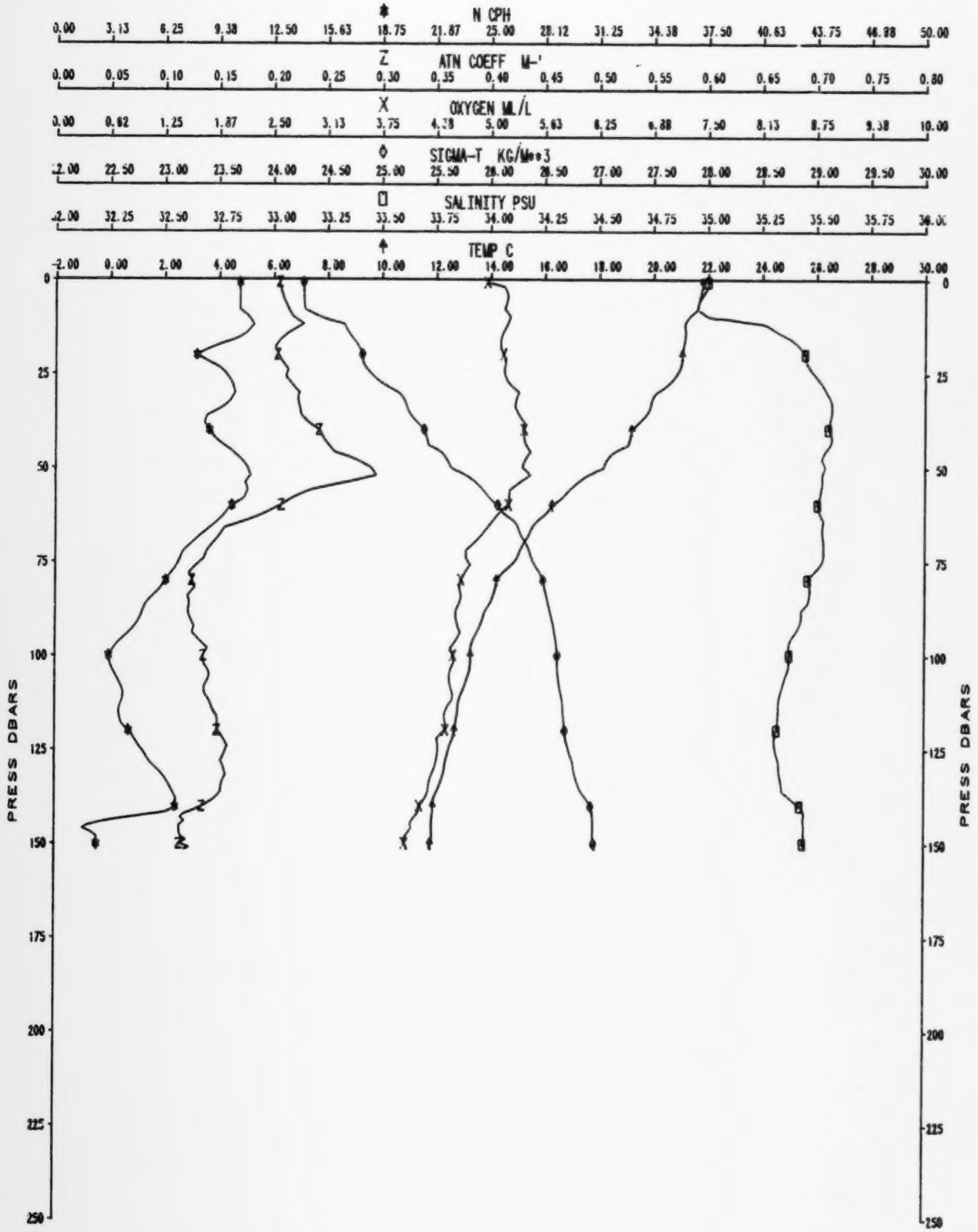
DEPTH (meters)
TEMPERATURE (deg C)

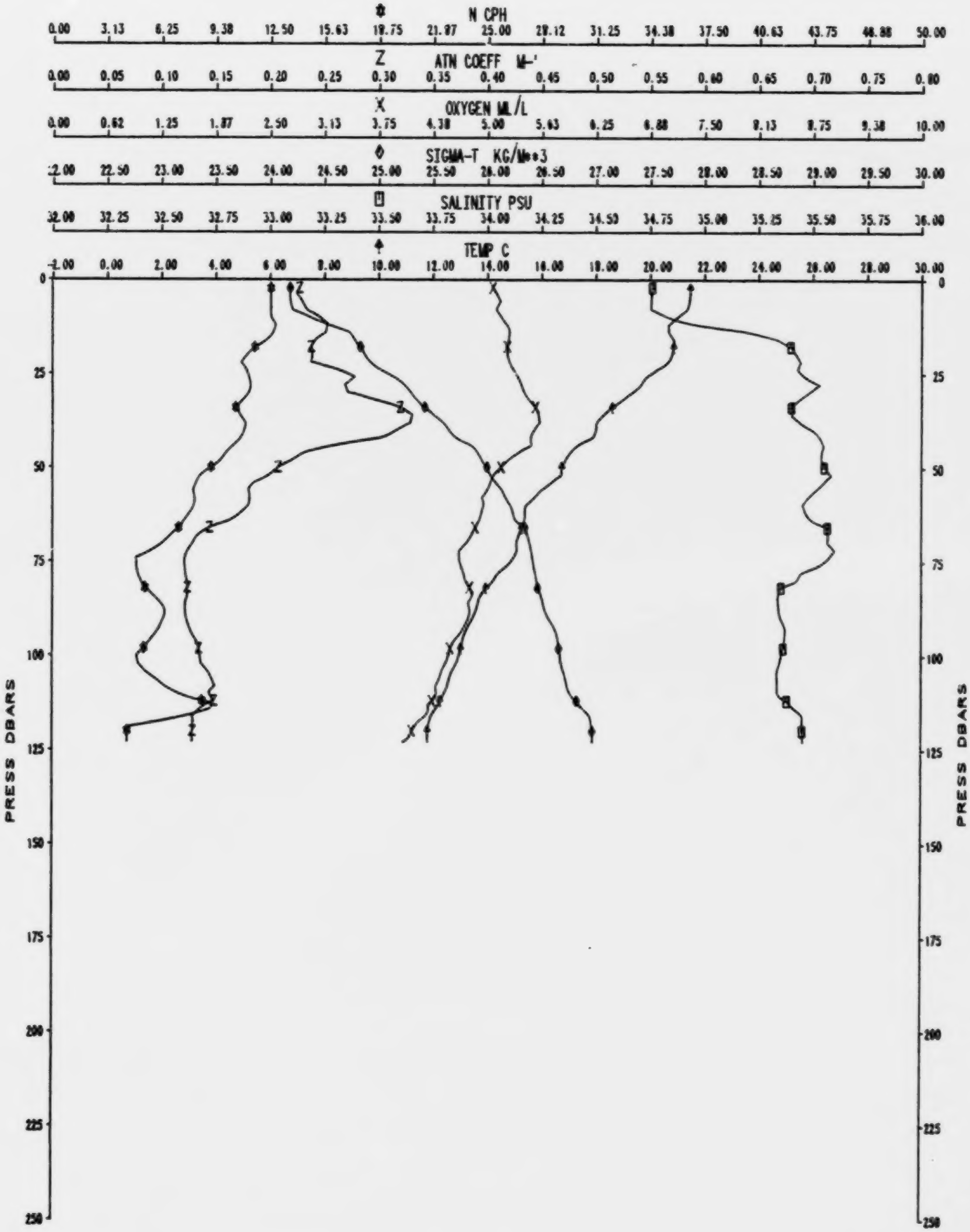
OC122U CAST #64



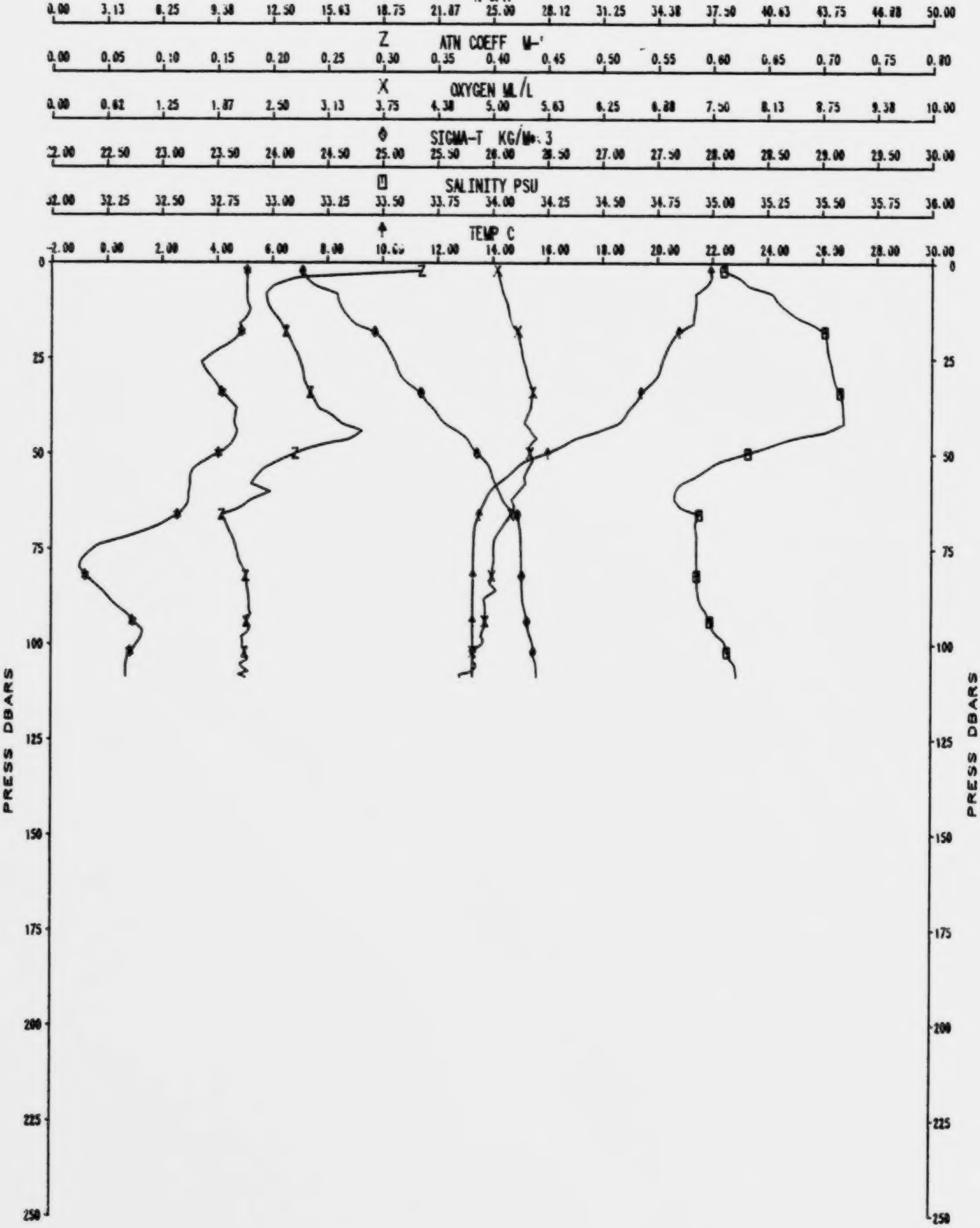
OC122A CAST #65



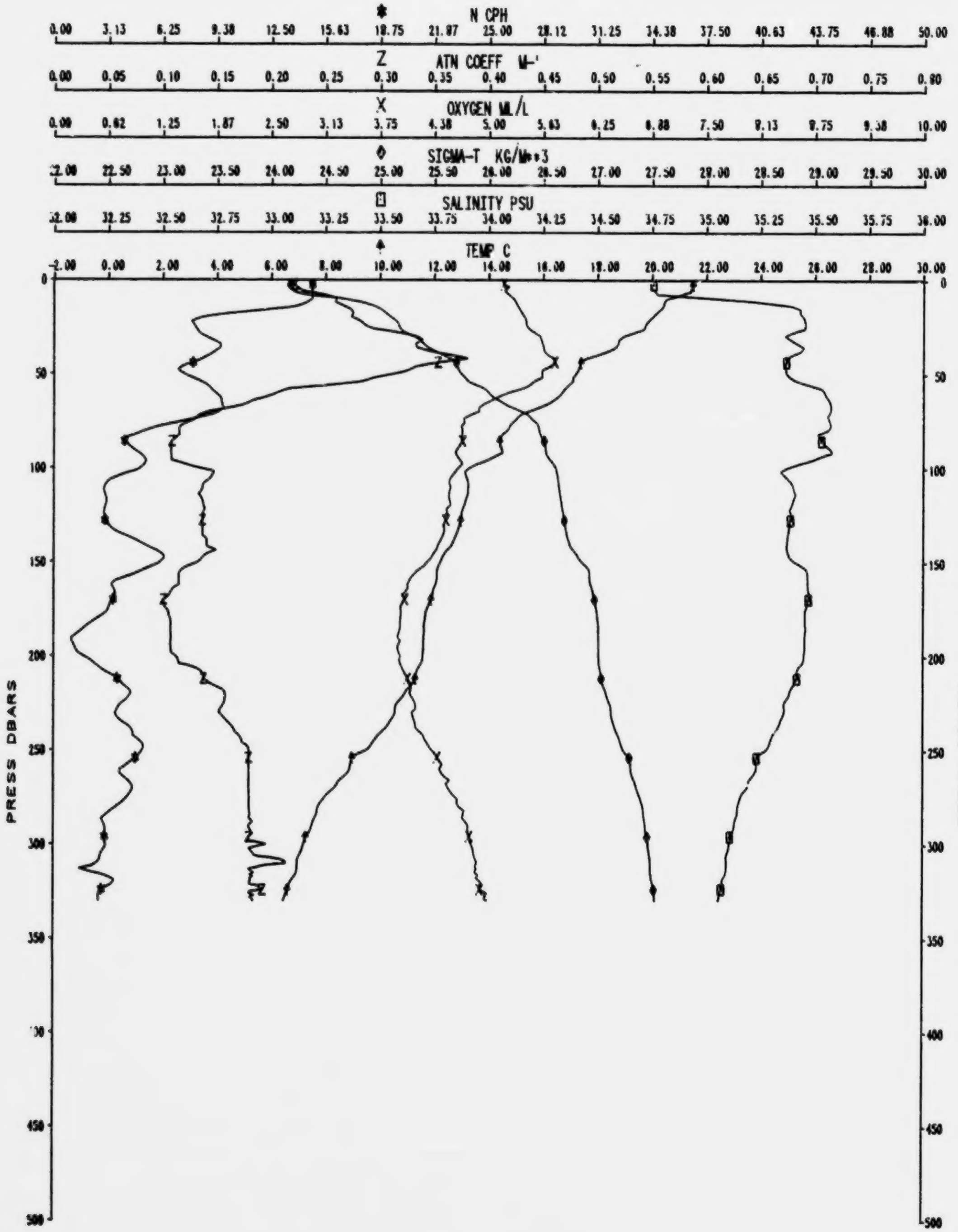
OC122A CAST #66



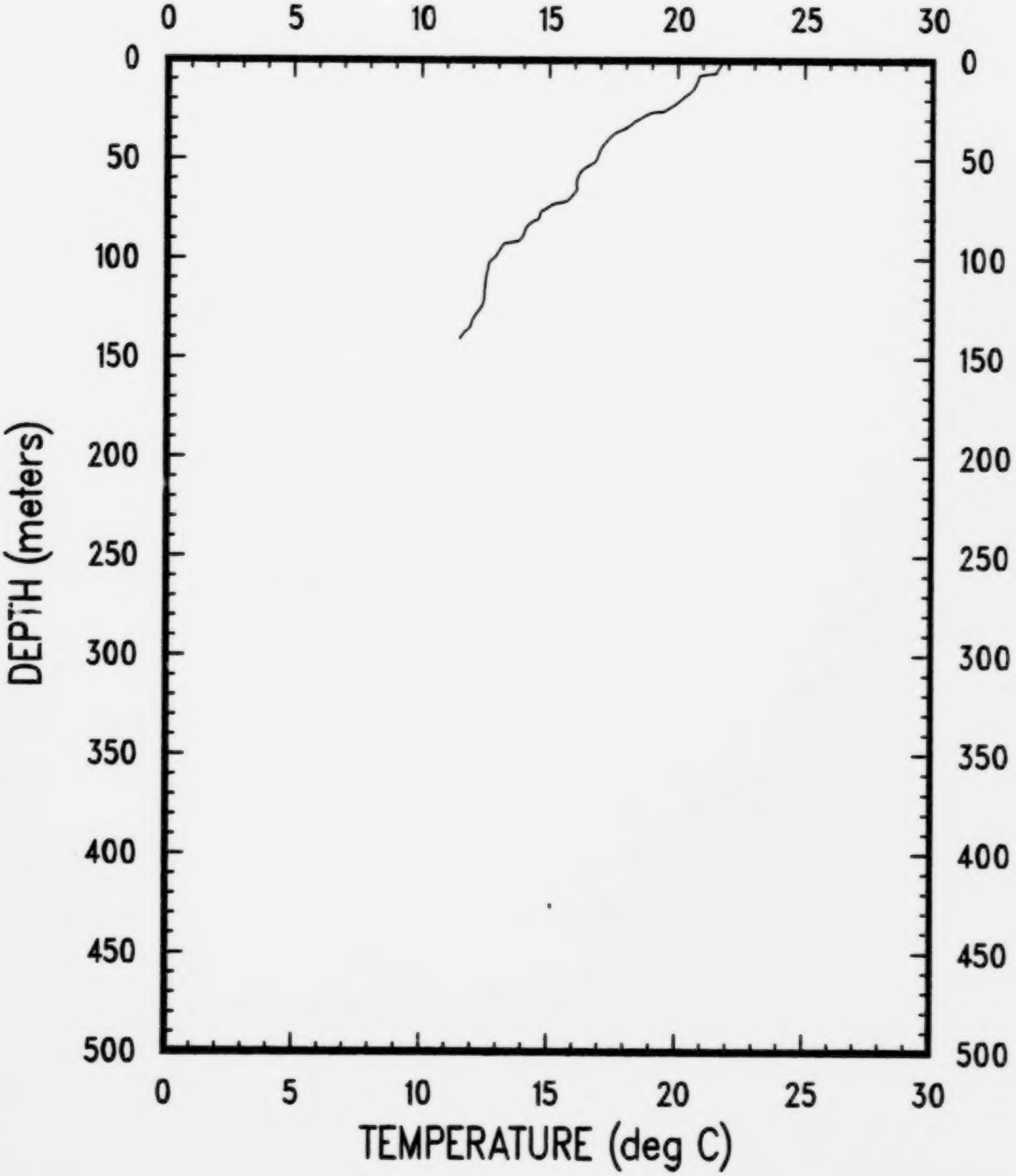
OC122A CAST #67



## OC122A CAST #68



OC122 XBT-69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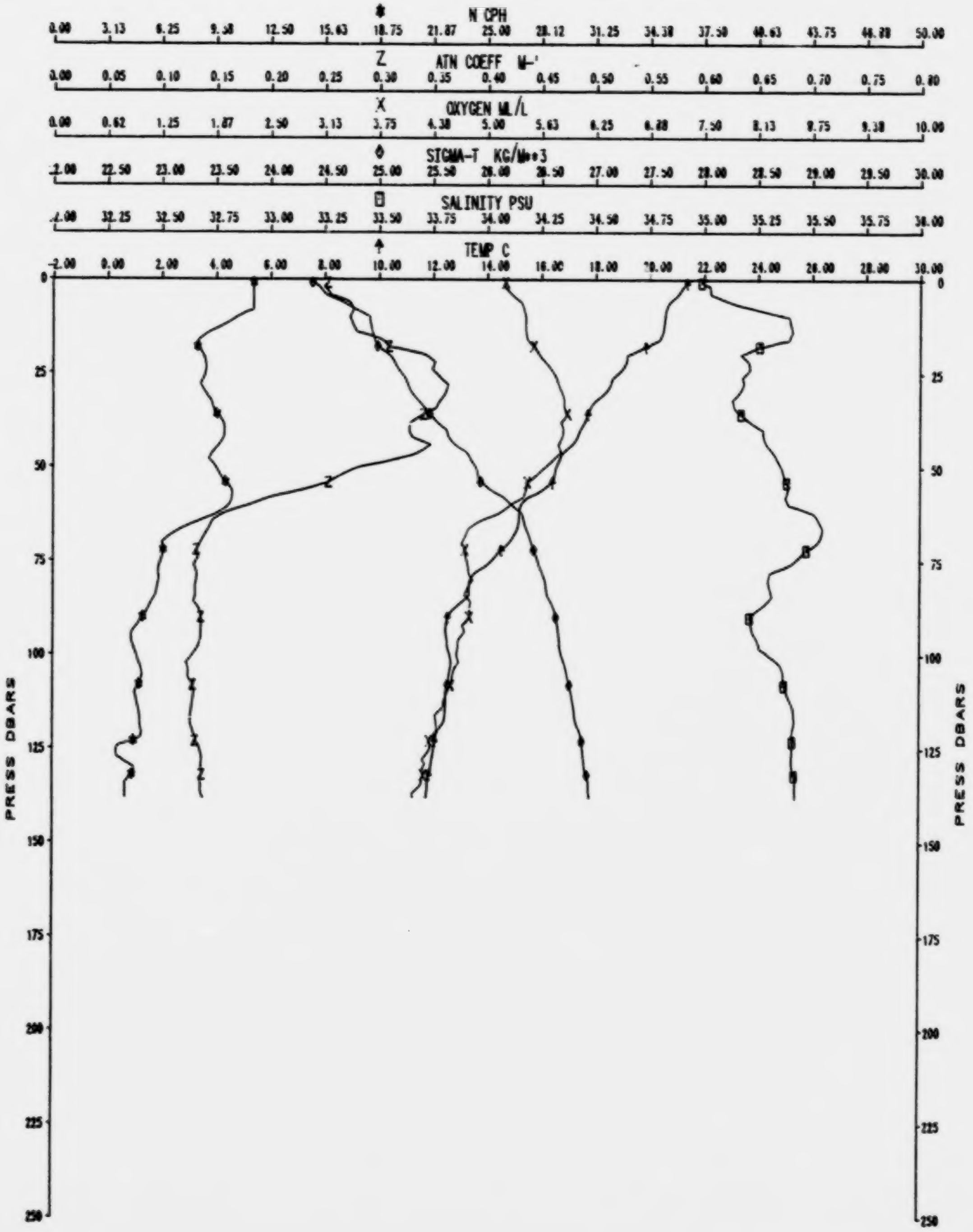
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #70



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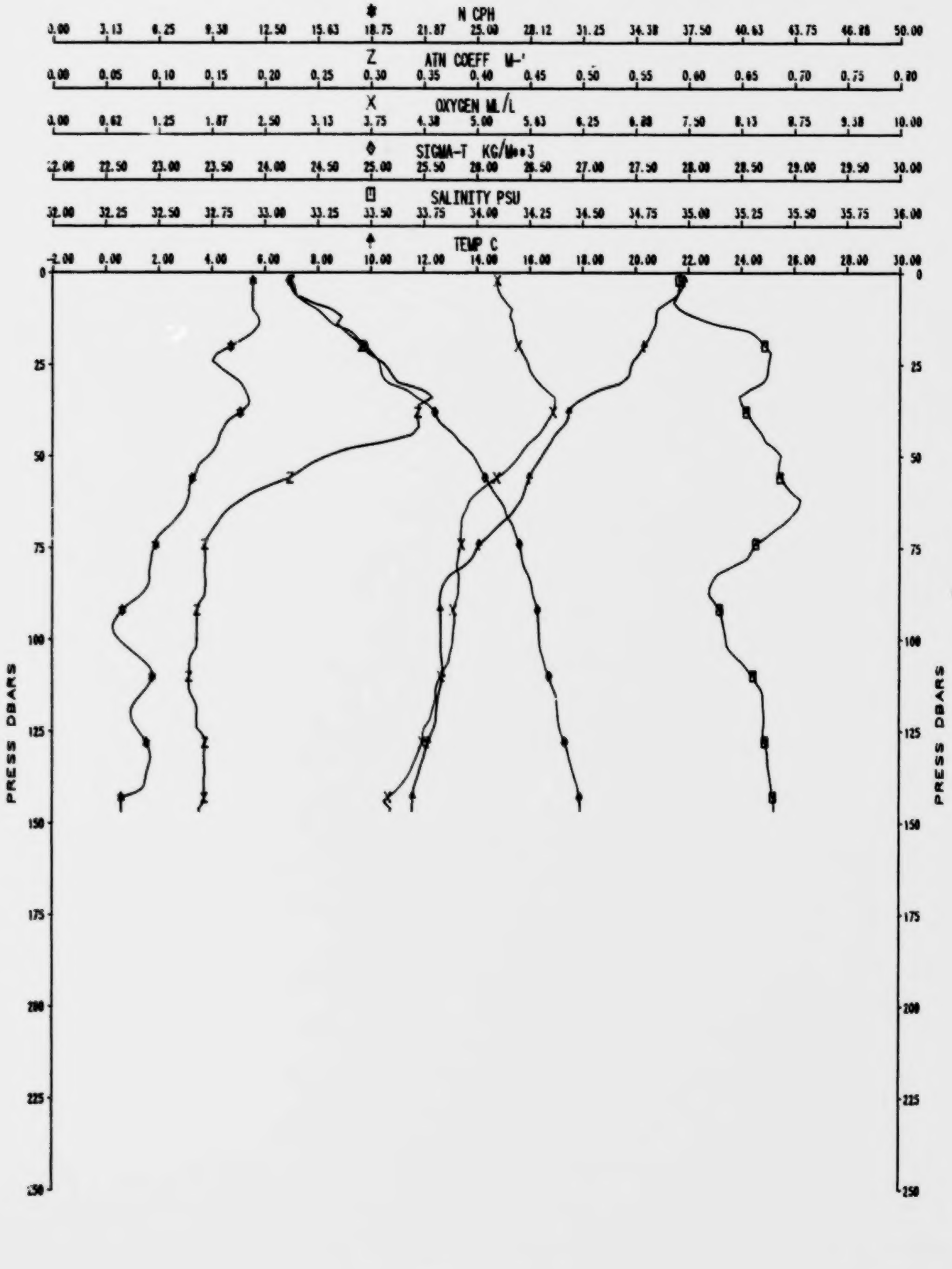
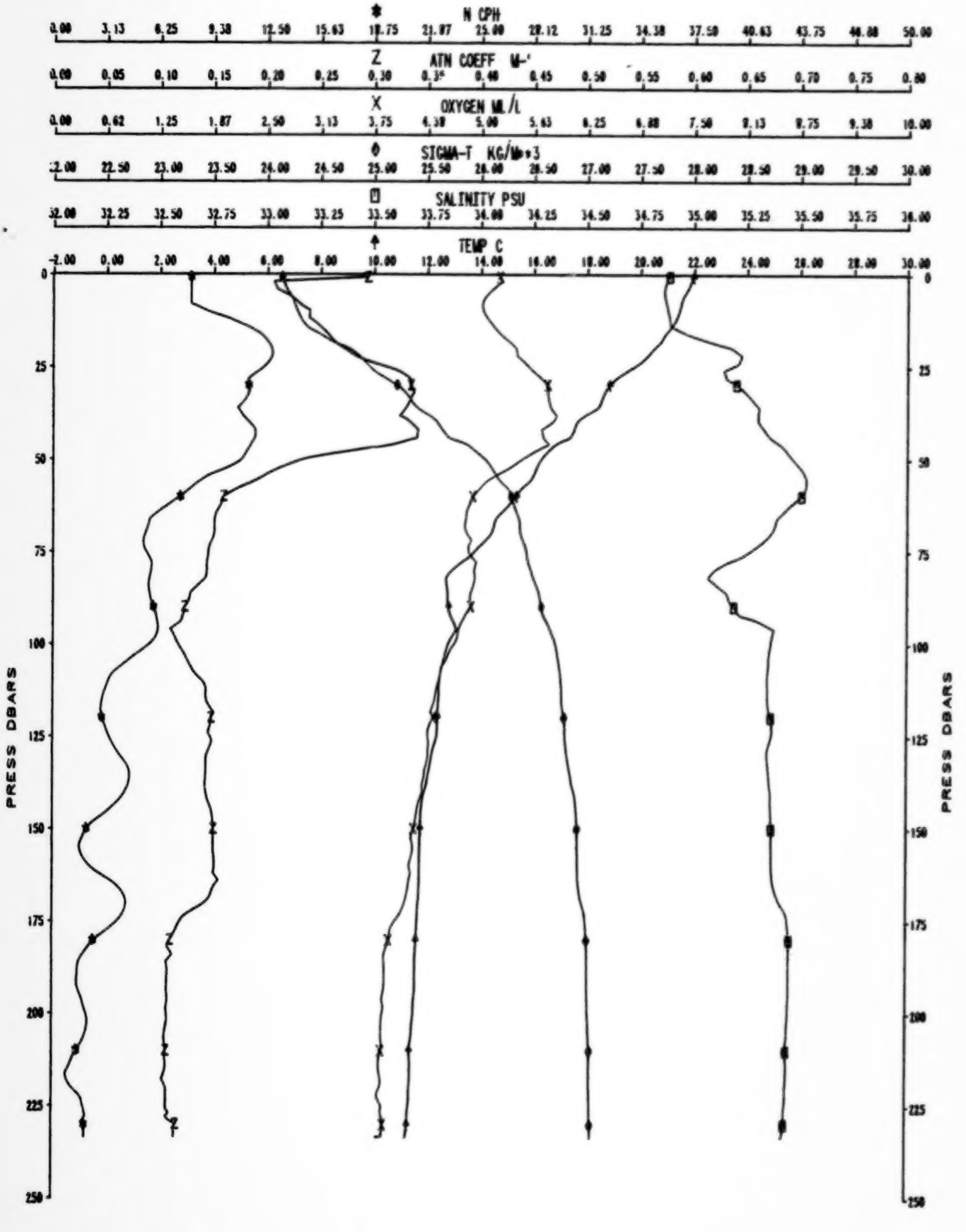
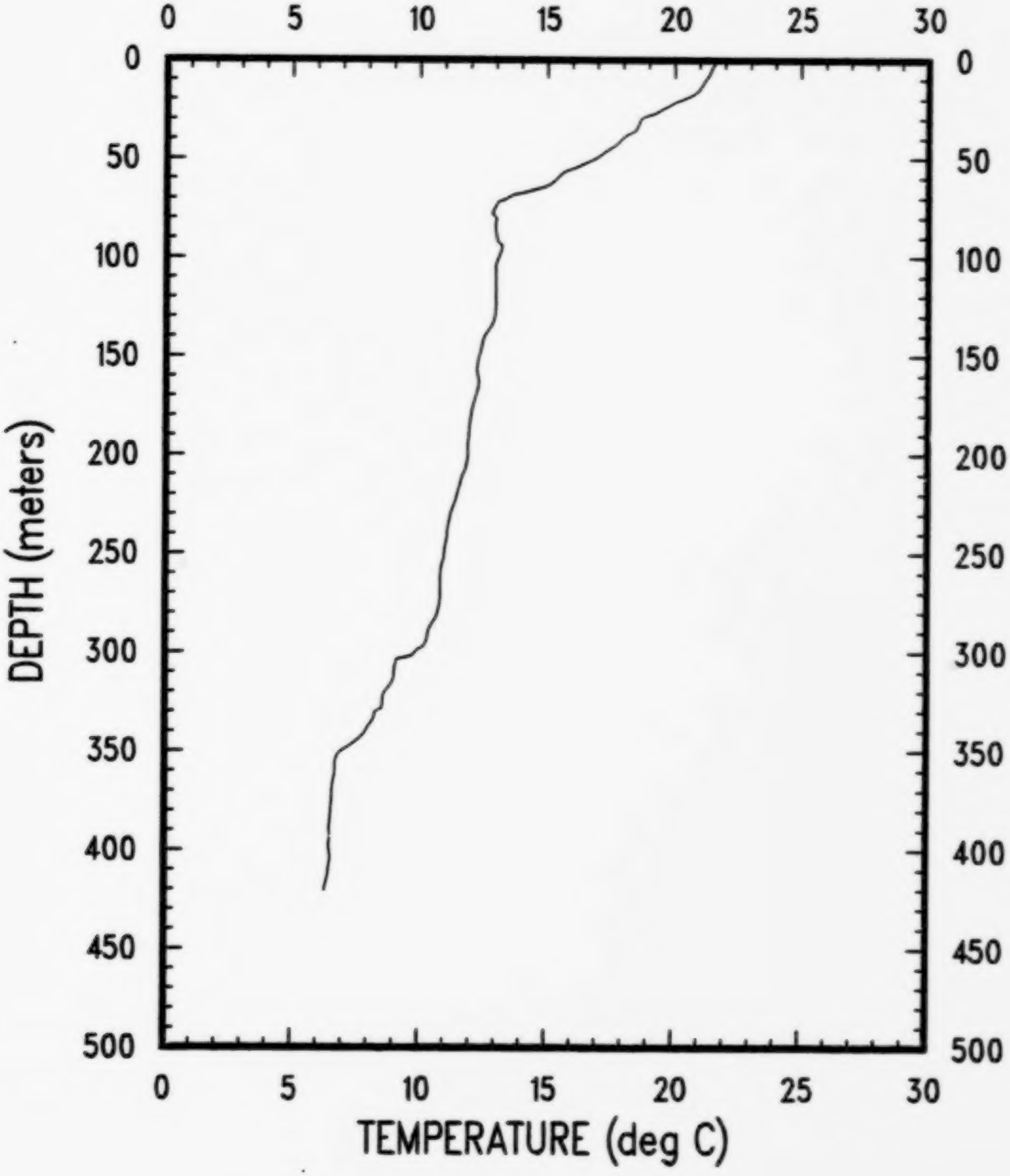


OC122A CAST #72



## OC122 XBT-73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DEPTH (meters)
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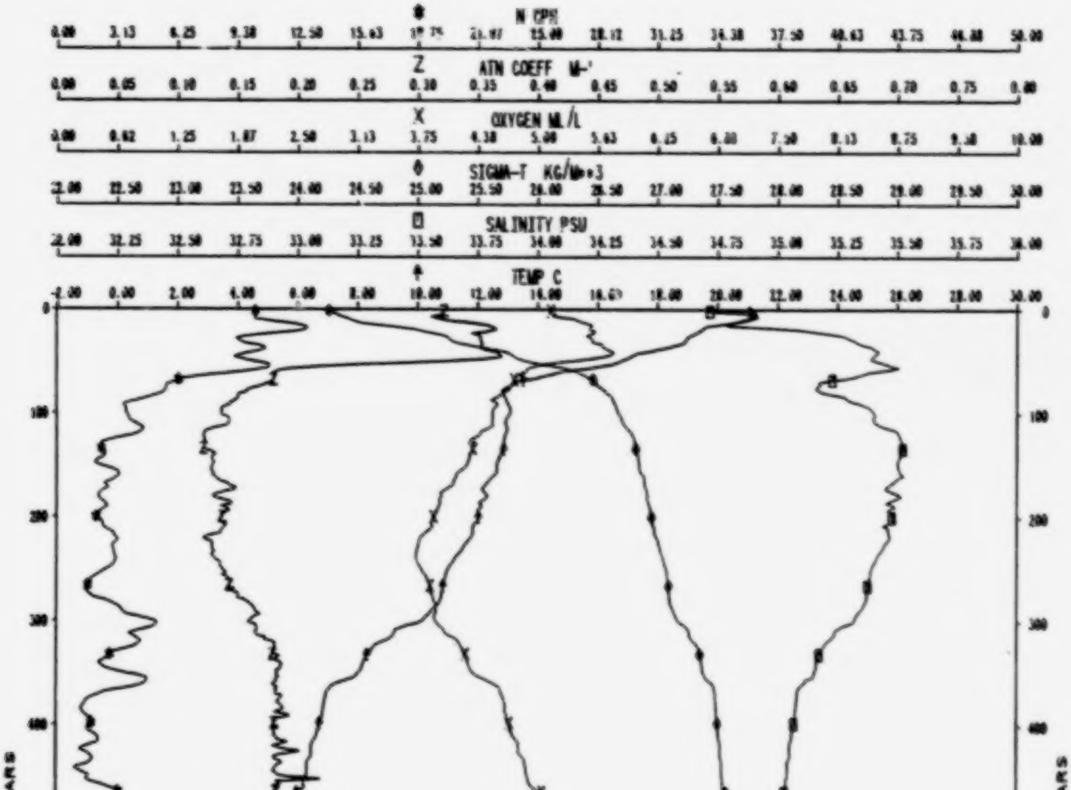
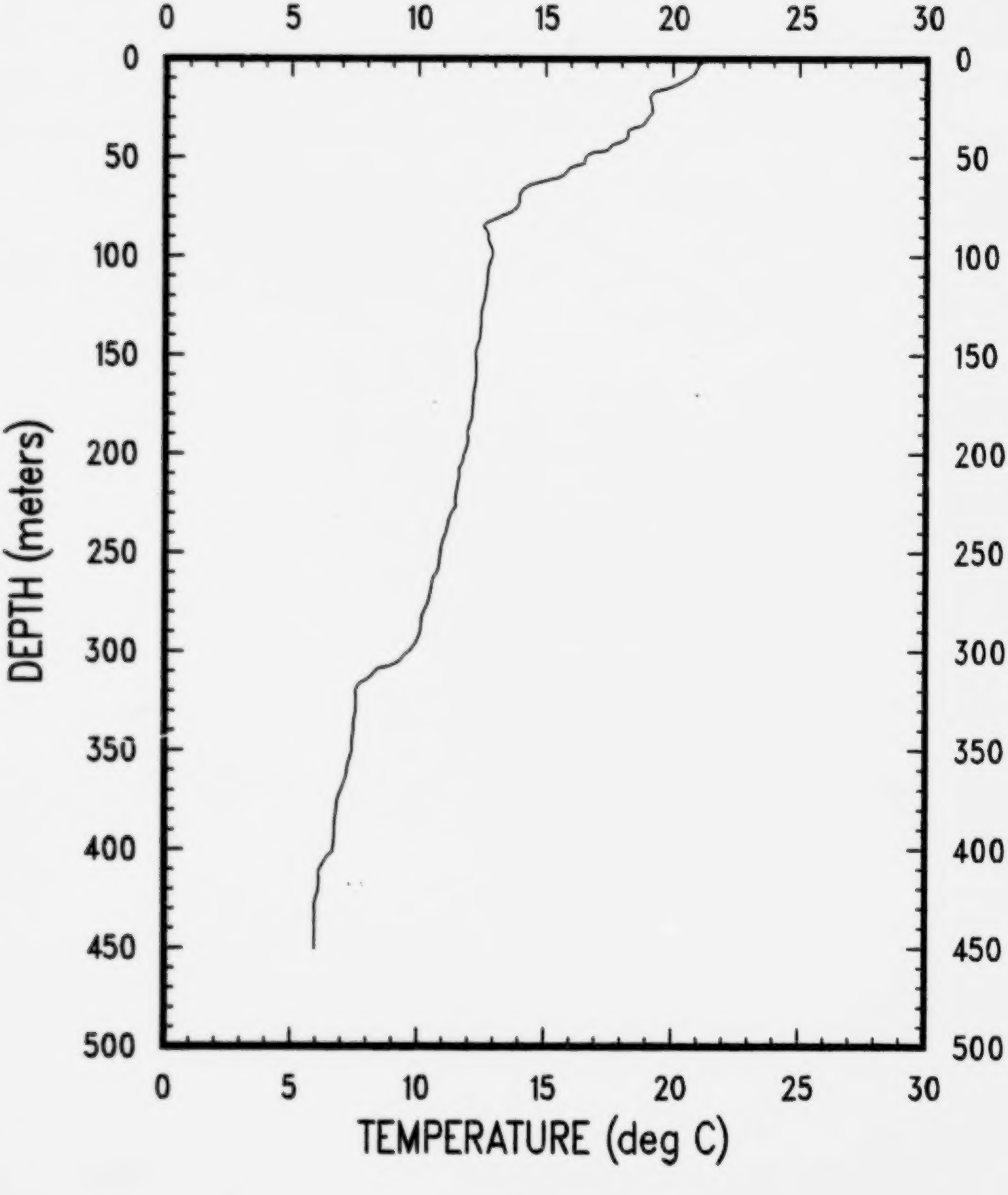
TEMPERATURE (deg C)

OC122B CAST #74



OC122 XBT-75



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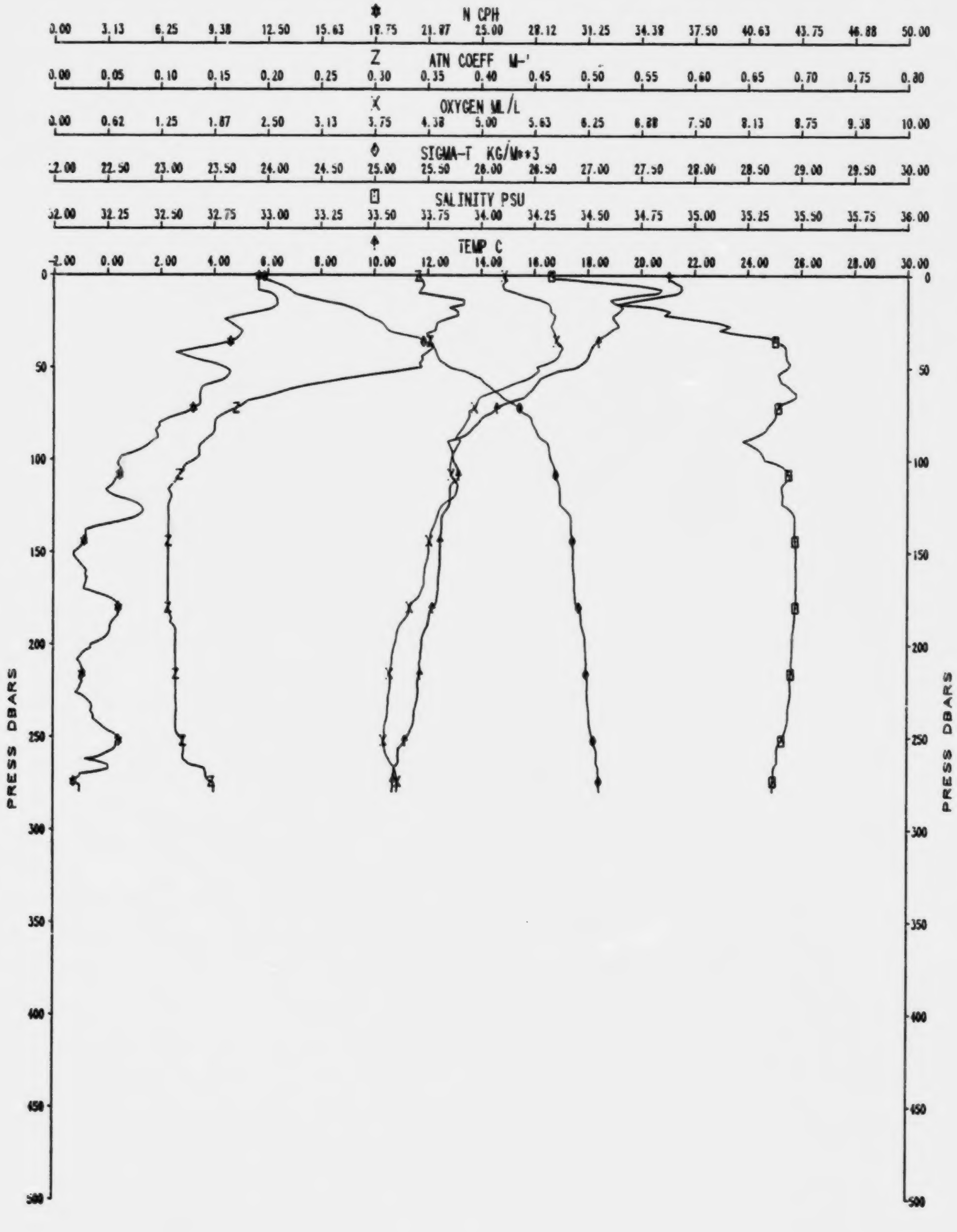
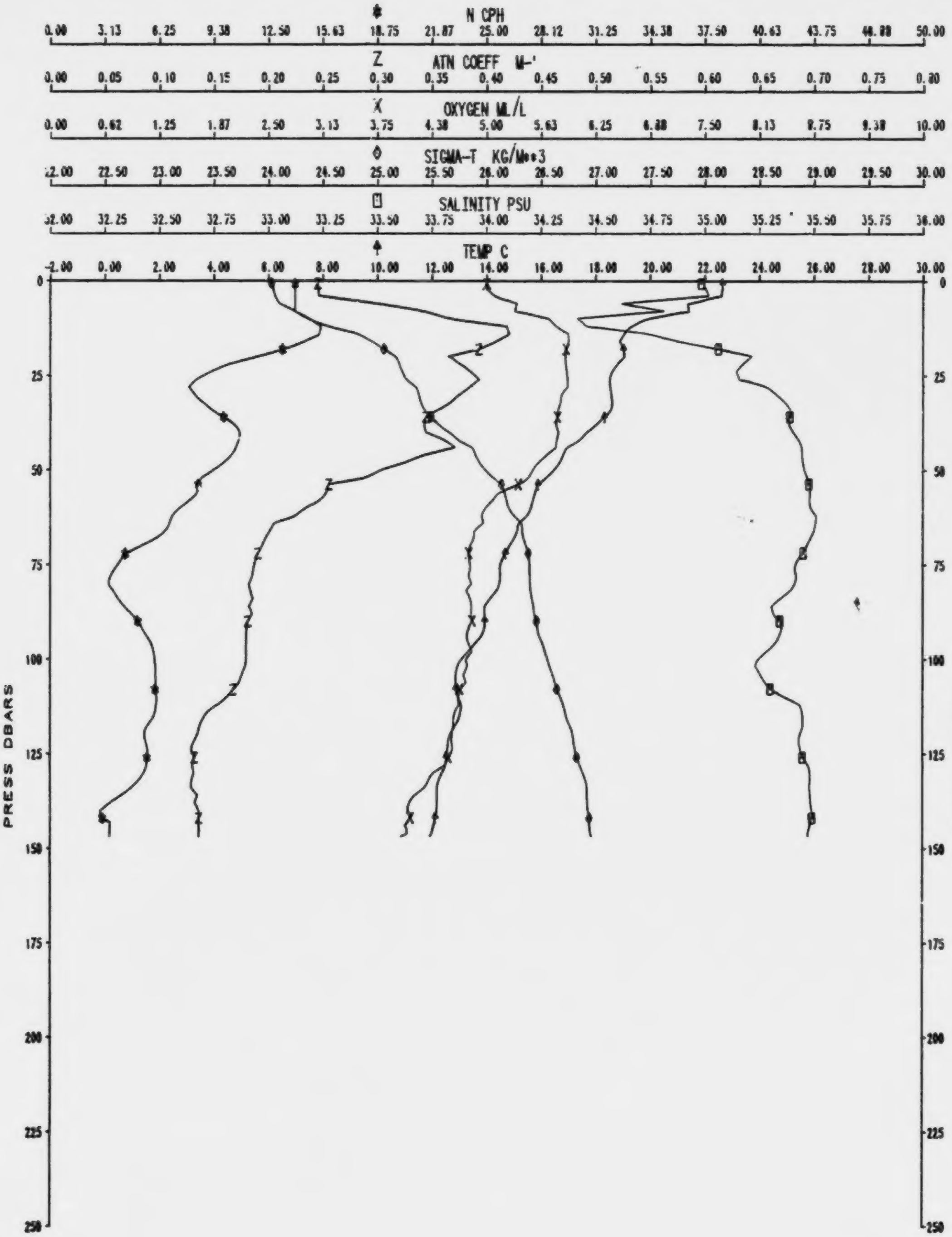
DEPTH (meters)
TEMPERATURE (deg C)

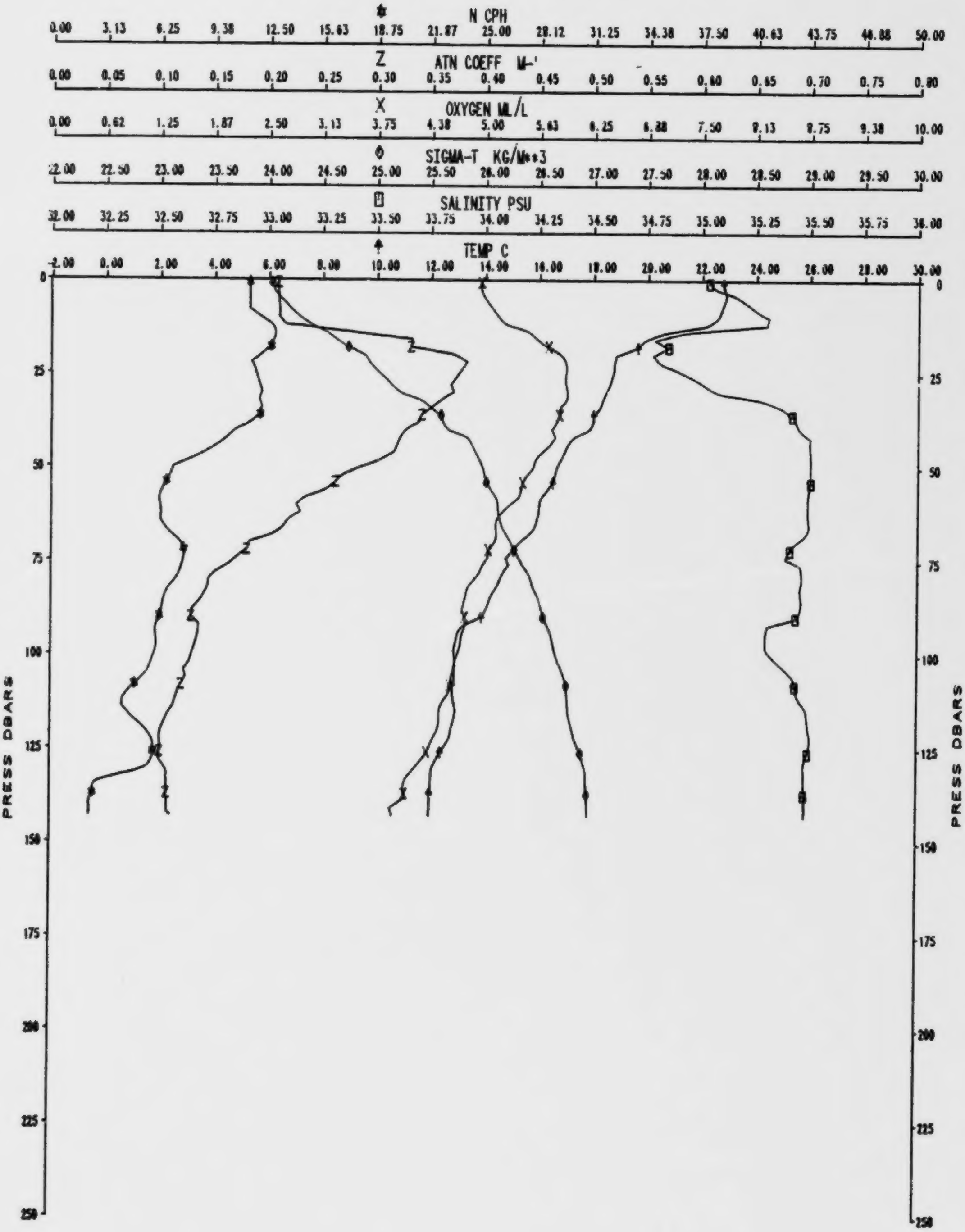
OC122U CAST #76



OC122A CAST #77



OC122A CAST #78



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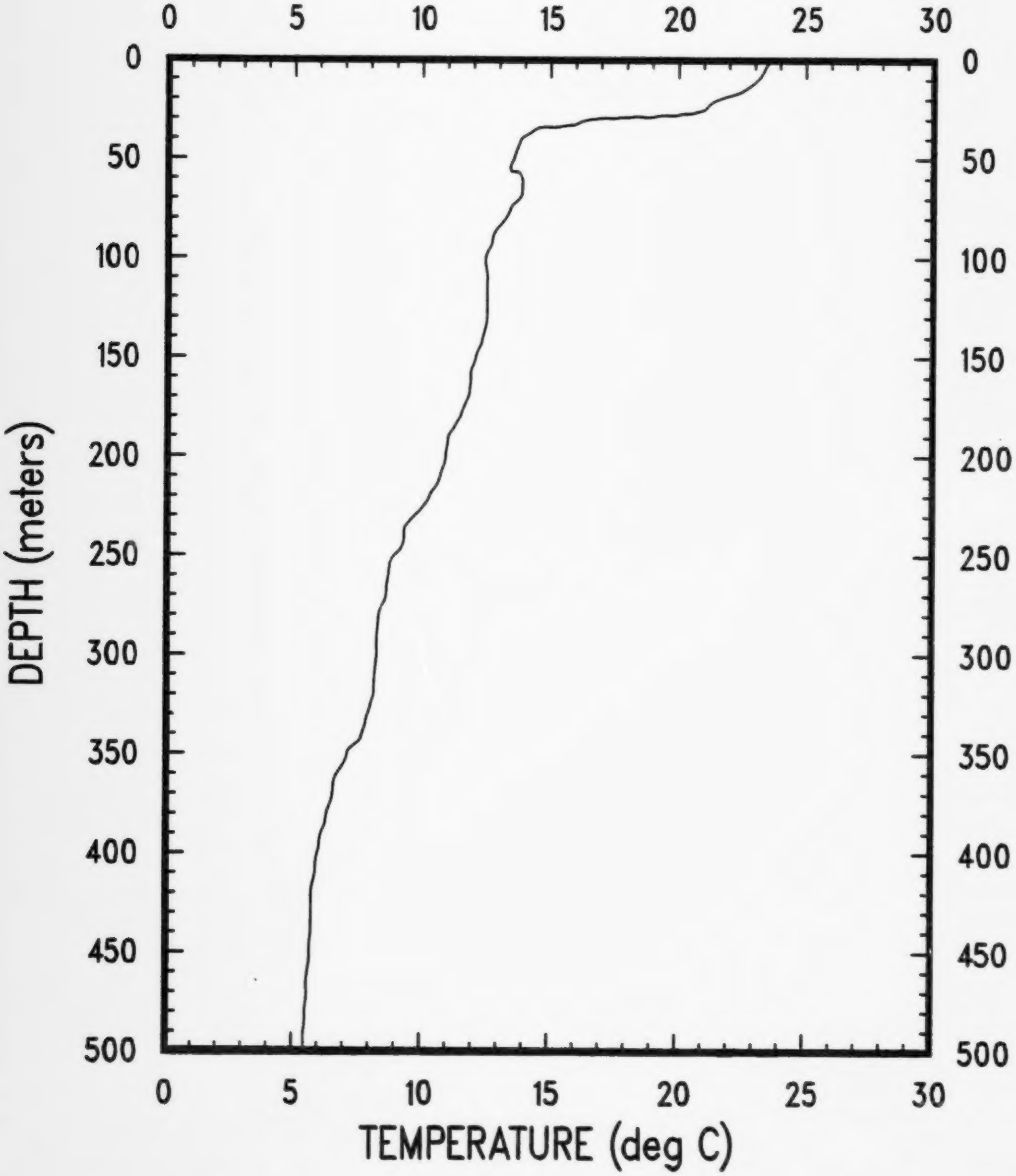
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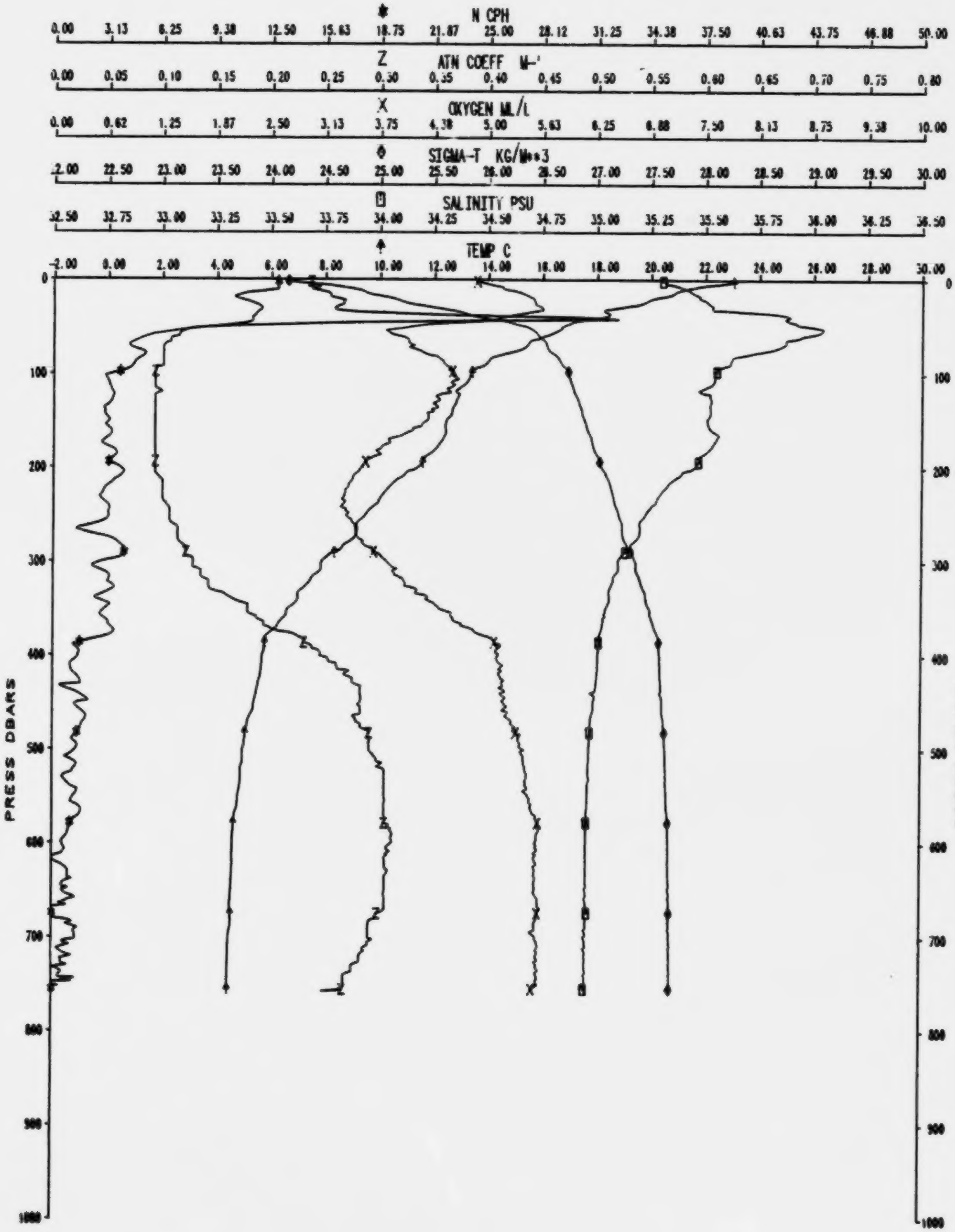
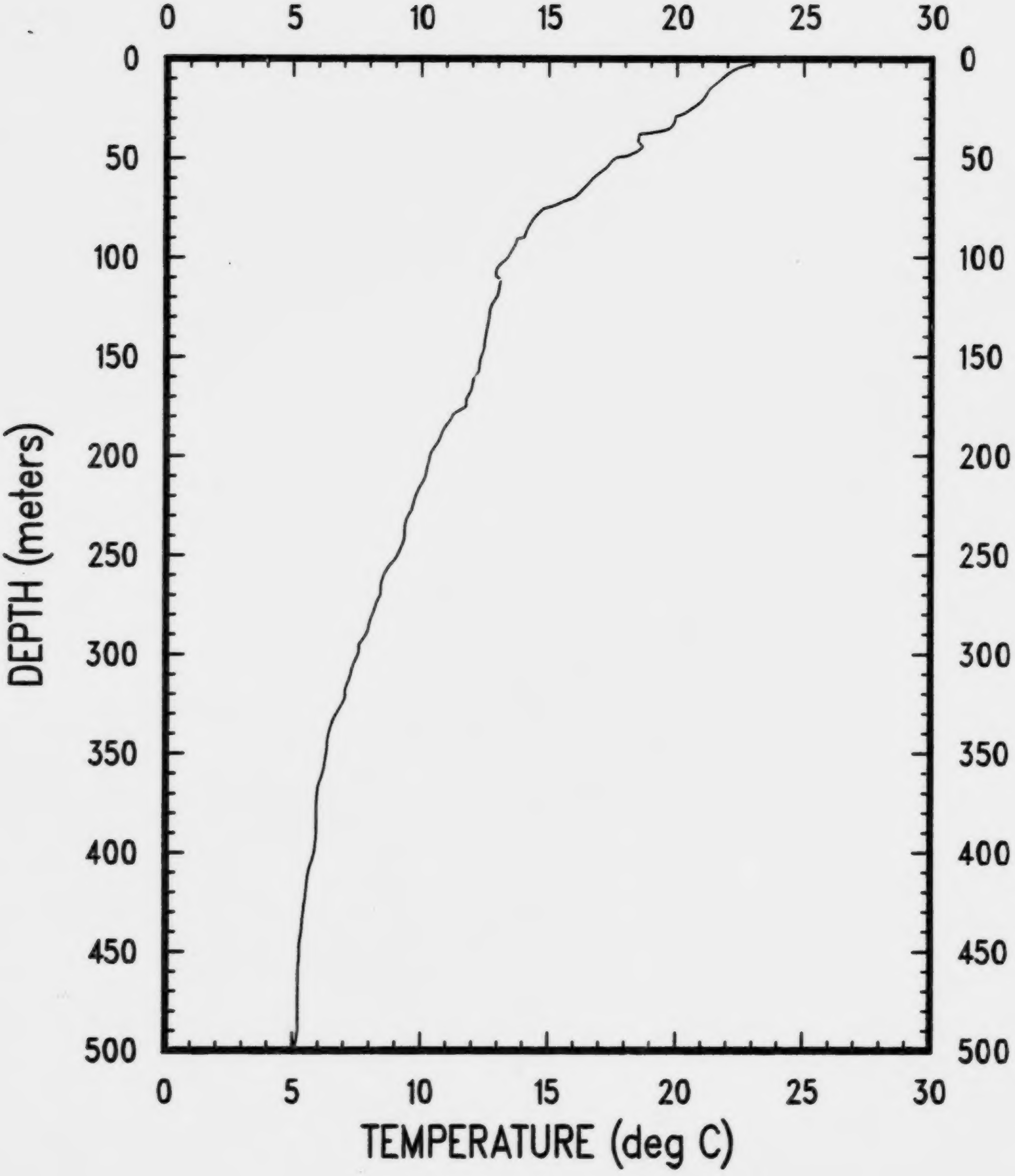
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #80



OC122 XBT-81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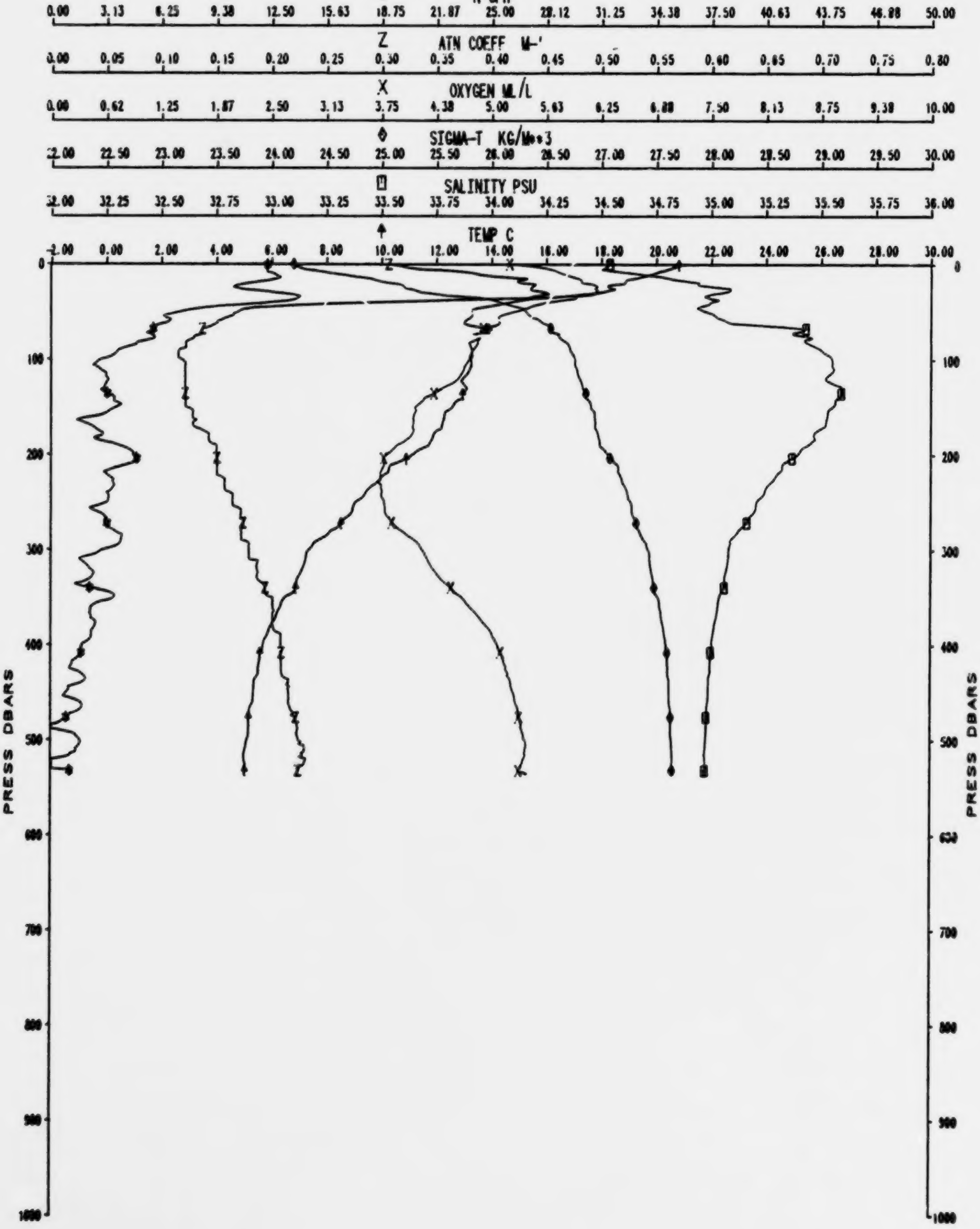
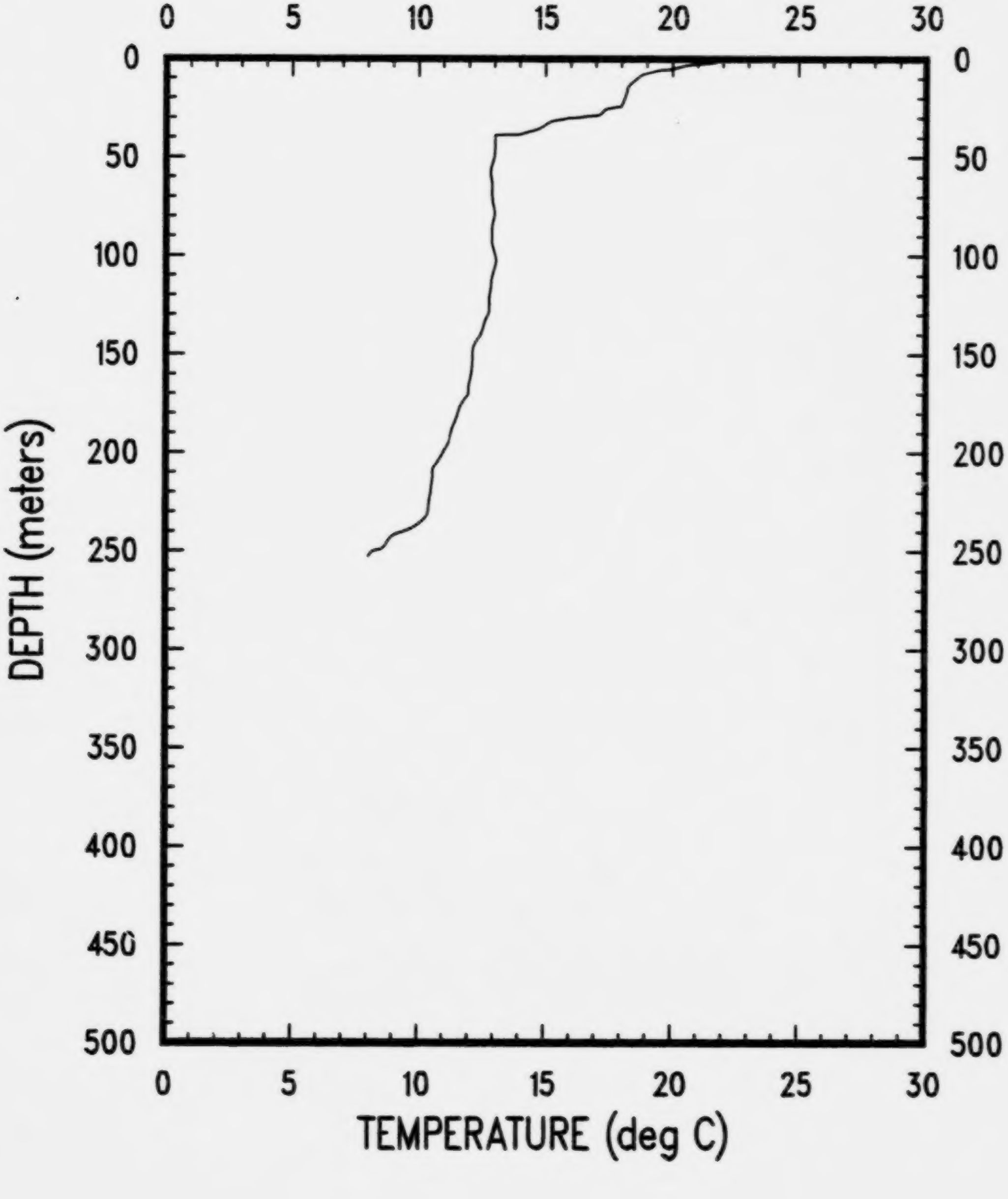
DEPTH (meters)
TEMPERATURE (deg C)

OC122U CAST #82



OC122 XBT-83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DEPTH (meters)
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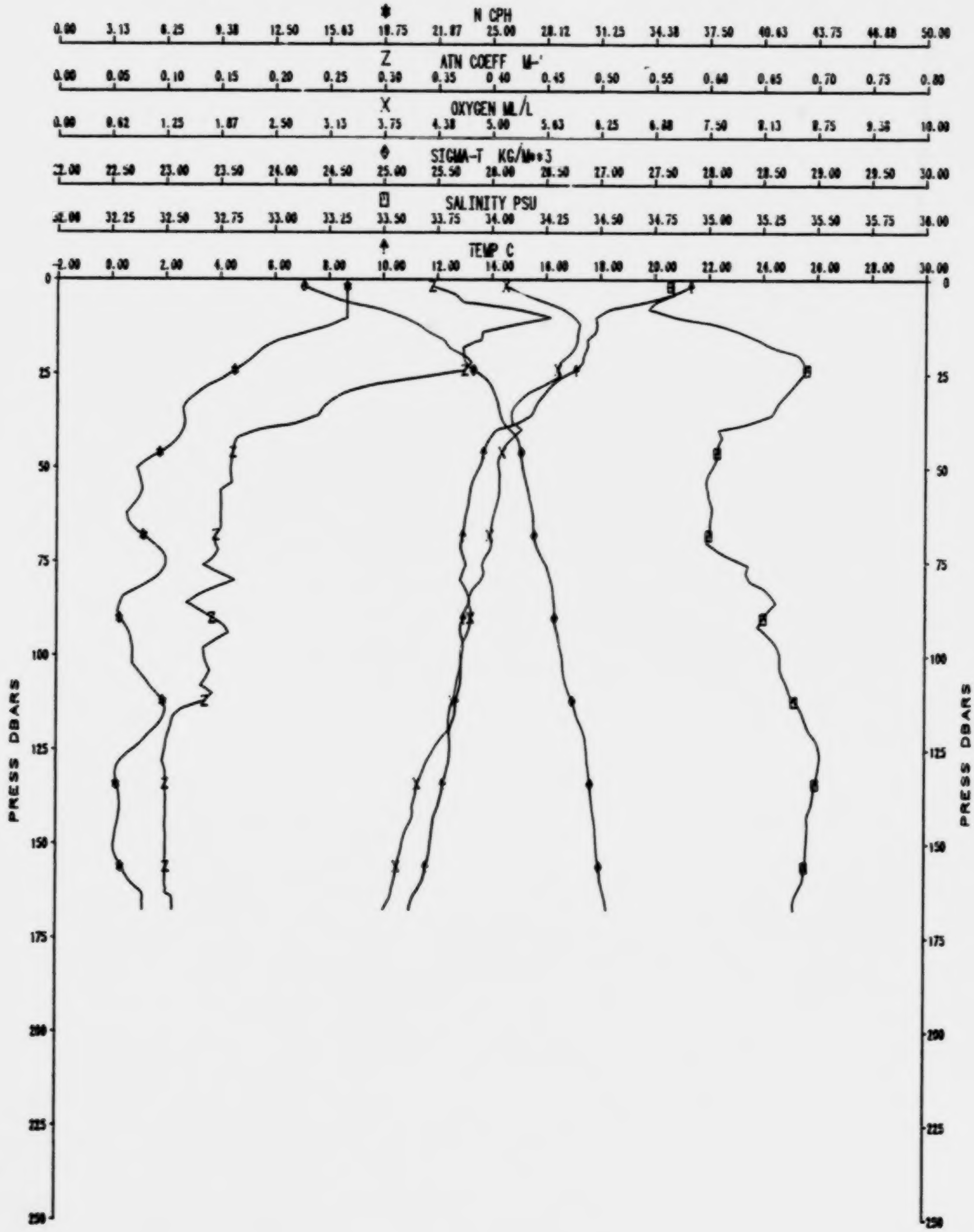
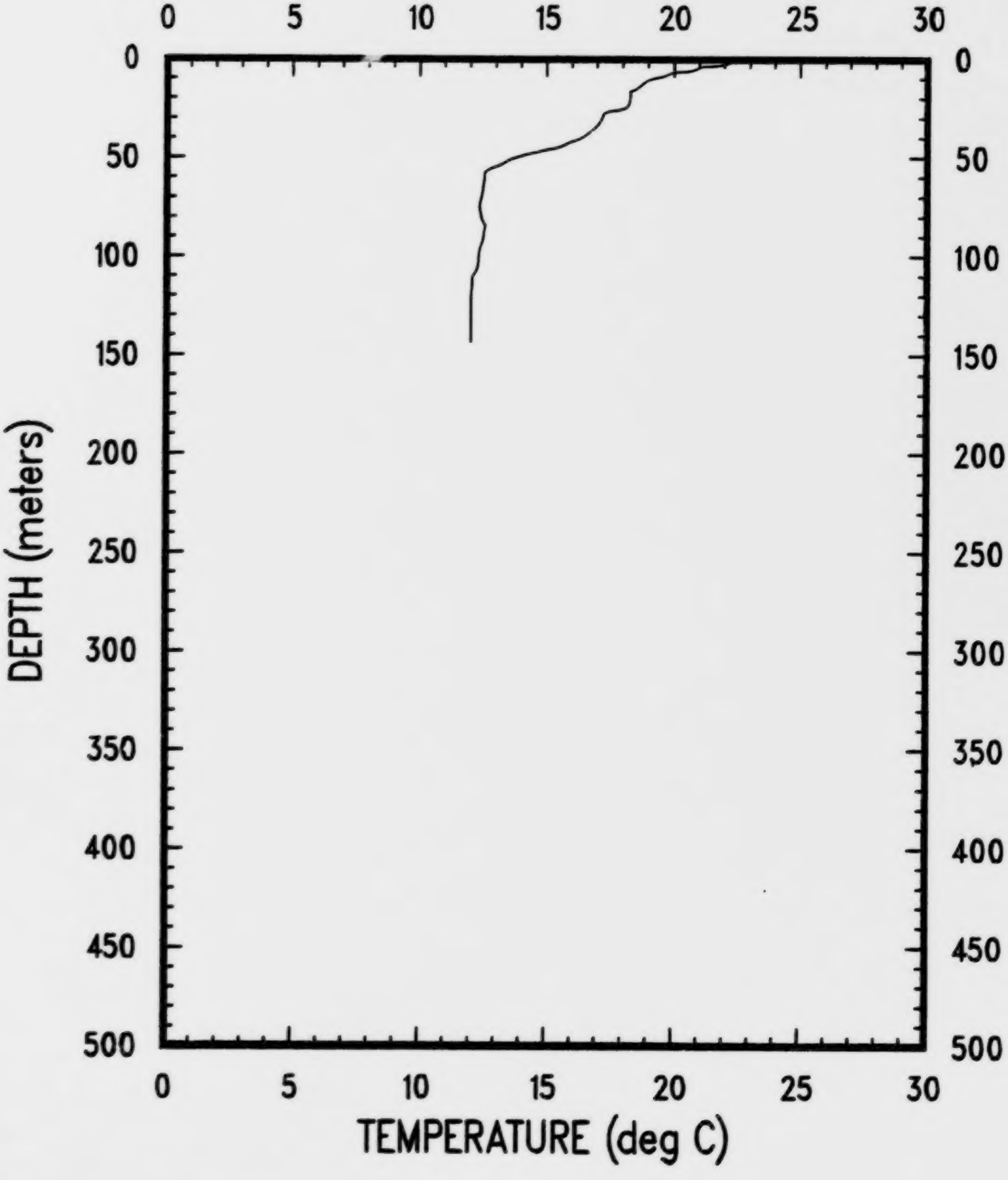
TEMPERATURE (deg C)

## OC122A CAST #84



OC122 XBT-85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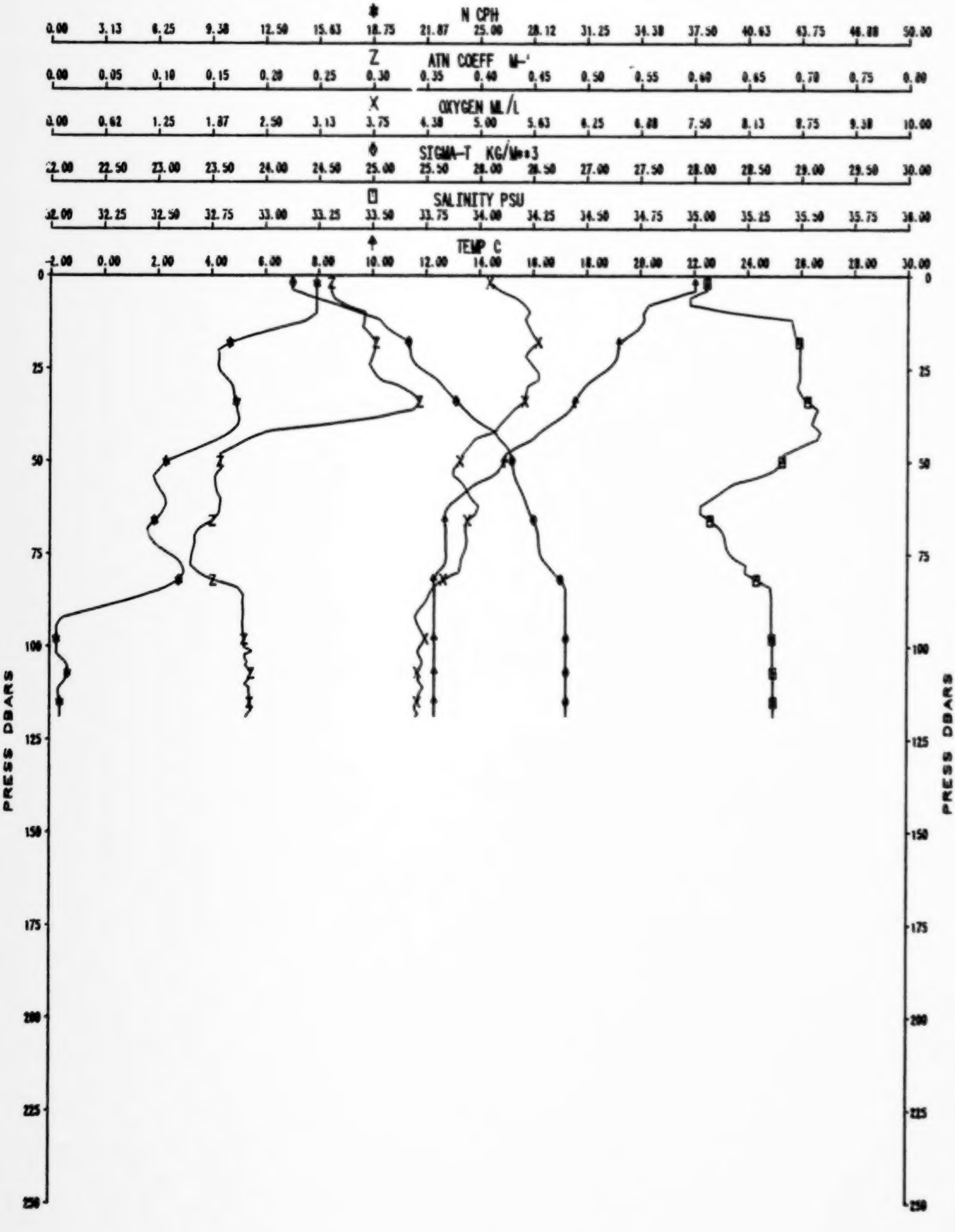
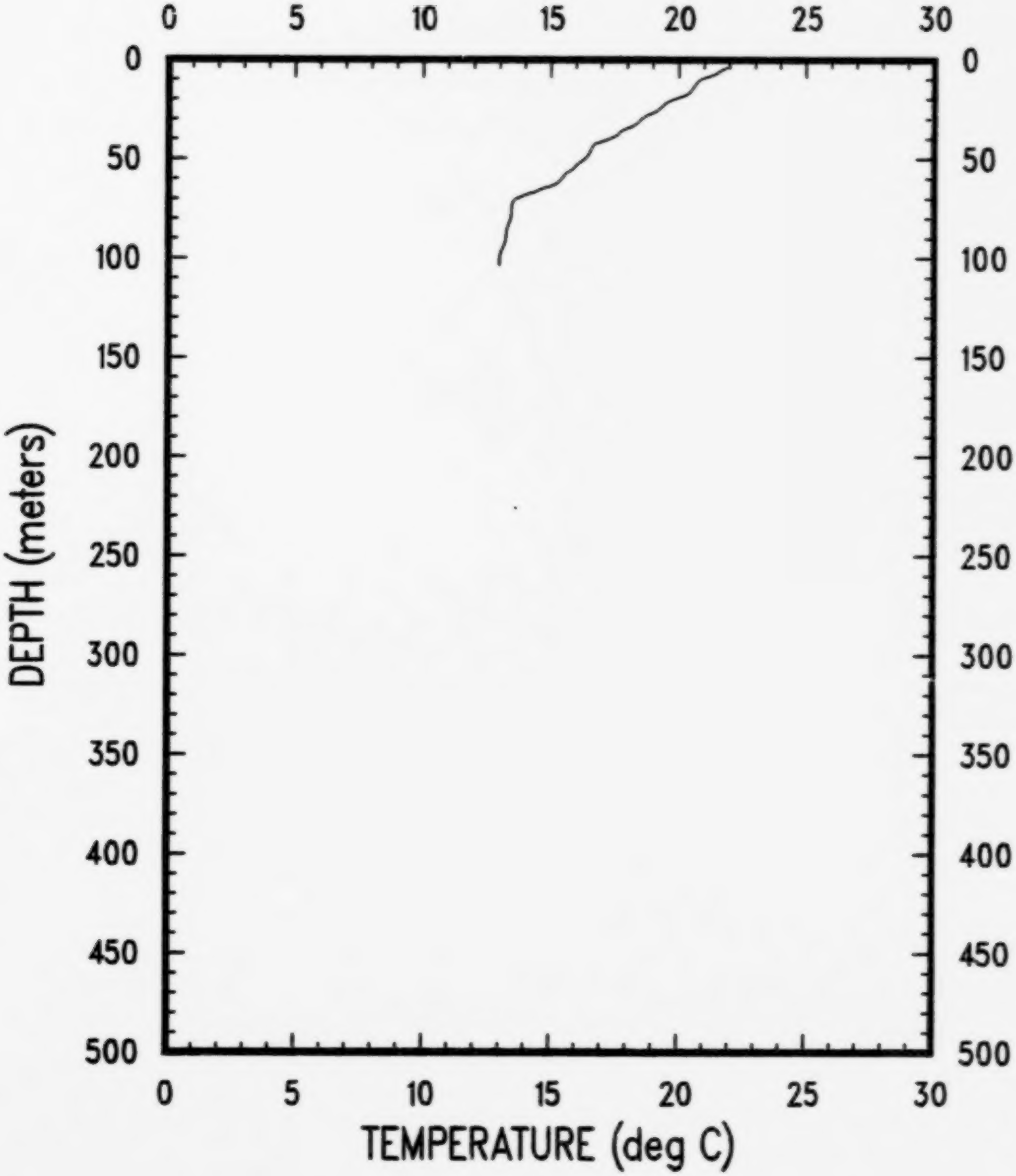
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #86



## OC122 XBT-87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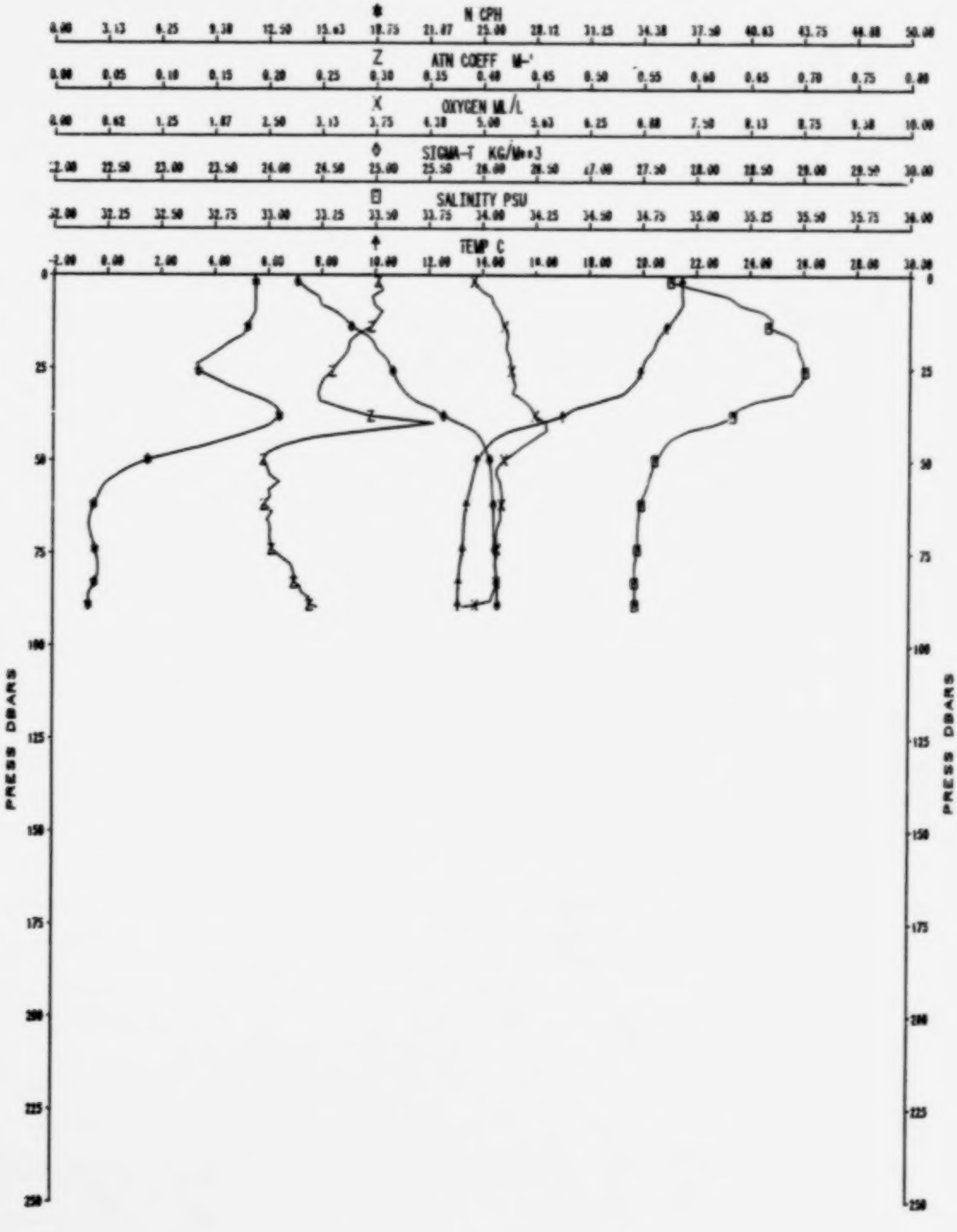
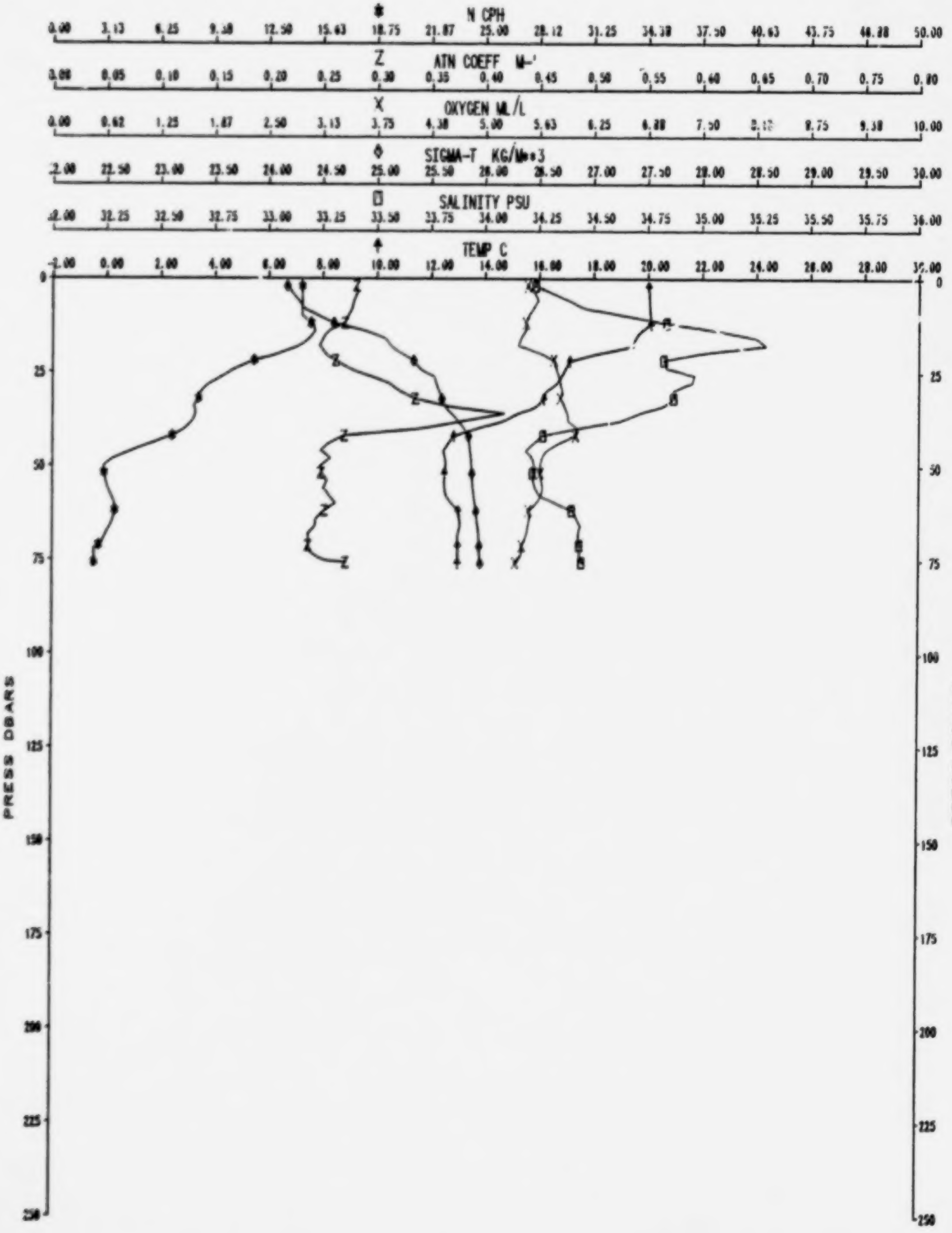
DEPTH (meters)
TEMPERATURE (deg C)

OC122A CAST #88



## OC122A CAST #89



# Appendix I. - Data listings

The 2-dbar-averaged data are listed in Appendix I. For the data listings, time is in Eastern Standard Time, SALIN is the salinity, OXY is the dissolved oxygen, ATN is the beam attenuation coefficient, SIGT is the density anomaly sigma-t, N is the Brunt-Vaisala frequency, DYHT A is the dynamic height anomaly, and S SPD is the speed of sound in seawater. For pressures greater than 500 dbar, the 2-dbar-averaged data are subsampled at 20-dbar intervals. The XBT for stations 60 and 62 malfunctioned so that there is no data for these stations.

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 1 | 06 JUL 1982 | 1932 | 40°40.1'N | 70°00.3'W | 50 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.4 | 15.745 | 32.001 | 6.58 | 0.33 | 23.500 | 0.000 | 1506. | 16.9 |
| 4 | 4.0 | 15.493 | 31.956 | 6.70 | 0.33 | 23.520 | 0.007 | 1505. | 16.9 |
| 6 | 5.8 | 14.430 | 31.942 | 6.94 | 0.35 | 23.737 | 0.015 | 1501. | 16.9 |
| 8 | 8.0 | 14.196 | 31.949 | 6.99 | 0.40 | 23.791 | 0.024 | 1501. | 16.9 |
| 10 | 10.0 | 13.940 | 31.983 | 7.10 | 0.43 | 23.869 | 0.032 | 1500. | 16.9 |
| 12 | 12.0 | 13.214 | 32.009 | 7.24 | 0.46 | 24.036 | 0.040 | 1498. | 17.6 |
| 14 | 14.0 | 12.186 | 32.034 | 7.48 | 0.45 | 24.252 | 0.047 | 1494. | 17.4 |
| 16 | 16.0 | 9.834 | 32.161 | 8.00 | 0.41 | 24.763 | 0.054 | 1486. | 17.1 |
| 18 | 18.0 | 9.607 | 32.331 | 7.90 | 0.37 | 24.933 | 0.060 | 1485. | 16.0 |
| 20 | 20.0 | 9.630 | 32.399 | 7.73 | 0.43 | 24.983 | 0.066 | 1486. | 14.2 |
| 22 | 22.0 | 9.564 | 32.434 | 7.56 | 0.51 | 25.021 | 0.072 | 1485. | 11.7 |
| 24 | 24.0 | 9.514 | 32.460 | 7.41 | 0.58 | 25.049 | 0.078 | 1485. | 8.5 |
| 26 | 26.0 | 9.455 | 32.500 | 7.31 | 0.55 | 25.090 | 0.084 | 1485. | 7.2 |
| 28 | 28.0 | 9.327 | 32.549 | 7.22 | 0.46 | 25.148 | 0.090 | 1485. | 6.7 |
| 30 | 30.0 | 9.305 | 32.565 | 7.01 | 0.46 | 25.164 | 0.095 | 1485. | 6.1 |
| 32 | 32.1 | 9.287 | 32.575 | 6.83 | 0.46 | 25.175 | 0.101 | 1485. | 5.5 |
| 34 | 33.9 | 9.274 | 32.584 | 6.77 | 0.46 | 25.184 | 0.106 | 1485. | 4.7 |
| 36 | 36.1 | 9.245 | 32.602 | 6.63 | 0.50 | 25.203 | 0.112 | 1485. | 3.9 |
| 38 | 38.1 | 9.229 | 32.606 | 6.61 | 0.51 | 25.209 | 0.118 | 1485. | 3.5 |
| 39 | 39.8 | 9.221 | 32.610 | 6.27 | 0.53 | 25.213 | 0.122 | 1485. | 3.2 |
| 41 | 41.2 | 9.215 | 32.610 | 6.09 | 0.58 | 25.214 | 0.126 | 1485. | 2.7 |
| 42 | 42.0 | 9.215 | 32.610 | 6.09 | 0.59 | 25.214 | 0.128 | 1485. | 1.7 |
| 43 | 43.0 | 9.215 | 32.609 | 6.14 | 0.58 | 25.213 | 0.131 | 1485. | 1.1 |
| 44 | 43.9 | 9.215 | 32.610 | 6.25 | 0.58 | 25.213 | 0.134 | 1485. | 0.3 |
| 45 | 45.0 | 9.215 | 32.610 | 6.22 | 0.59 | 25.214 | 0.137 | 1485. | 0.2 |
| 46 | 46.0 | 9.215 | 32.610 | 6.17 | 0.59 | 25.213 | 0.139 | 1485. | 0.2 |
| 47 | 47.0 | 9.215 | 32.609 | 6.21 | 0.60 | 25.213 | 0.142 | 1485. | 0.2 |
| 48 | 48.1 | 9.214 | 32.609 | 6.23 | 0.62 | 25.213 | 0.145 | 1485. | 0.2 |
| 48 | 48.5 | 9.215 | 32.611 | 6.18 | 0.62 | 25.214 | 0.146 | 1485. | 0.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 2 | 07 JUL 1982 | 0554 | 40°33.8'N | 67°45.0'W | 100 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.2 | 17.317 | 34.100 | 5.64 | 0.20 | 24.749 | 0.000 | 1513. | 9.1 |
| 4 | 4.0 | 17.321 | 34.100 | 5.69 | 0.21 | 24.748 | 0.006 | 1513. | 9.1 |
| 6 | 6.0 | 17.323 | 34.098 | 5.80 | 0.20 | 24.746 | 0.012 | 1513. | 9.1 |
| 8 | 8.0 | 17.348 | 34.124 | 5.86 | 0.20 | 24.761 | 0.018 | 1513. | 9.1 |
| 10 | 10.0 | 17.428 | 34.228 | 5.86 | 0.20 | 24.821 | 0.025 | 1513. | 9.1 |
| 12 | 12.0 | 17.382 | 34.292 | 5.86 | 0.19 | 24.881 | 0.031 | 1513. | 10.3 |
| 14 | 14.0 | 17.199 | 34.335 | 5.86 | 0.19 | 24.958 | 0.037 | 1513. | 11.0 |
| 16 | 16.0 | 17.082 | 34.432 | 5.80 | 0.19 | 25.060 | 0.043 | 1513. | 11.3 |
| 18 | 18.0 | 17.221 | 34.608 | 5.77 | 0.18 | 25.162 | 0.048 | 1513. | 11.2 |
| 20 | 20.0 | 17.122 | 34.703 | 5.78 | 0.18 | 25.258 | 0.054 | 1513. | 11.0 |
| 22 | 22.0 | 16.993 | 34.719 | 5.83 | 0.18 | 25.302 | 0.059 | 1513. | 10.5 |
| 24 | 24.0 | 16.568 | 34.675 | 5.90 | 0.18 | 25.367 | 0.065 | 1512. | 10.1 |
| 26 | 25.9 | 15.841 | 34.536 | 6.00 | 0.19 | 25.428 | 0.070 | 1509. | 9.7 |
| 28 | 28.0 | 15.711 | 34.582 | 6.06 | 0.21 | 25.492 | 0.075 | 1509. | 9.5 |
| 30 | 30.0 | 15.821 | 34.653 | 6.04 | 0.21 | 25.523 | 0.080 | 1509. | 9.9 |
| 32 | 31.9 | 15.954 | 34.794 | 5.99 | 0.21 | 25.601 | 0.084 | 1510. | 10.2 |
| 34 | 34.0 | 15.904 | 34.837 | 5.97 | 0.22 | 25.645 | 0.089 | 1510. | 10.2 |
| 36 | 36.0 | 15.852 | 34.918 | 5.91 | 0.24 | 25.719 | 0.094 | 1510. | 10.1 |
| 38 | 38.0 | 15.398 | 34.930 | 5.90 | 0.25 | 25.831 | 0.099 | 1508. | 9.8 |
| 40 | 40.0 | 14.950 | 34.904 | 5.82 | 0.22 | 25.910 | 0.103 | 1507. | 9.2 |
| 42 | 42.1 | 14.898 | 34.921 | 5.65 | 0.22 | 25.934 | 0.107 | 1507. | 8.5 |
| 44 | 43.9 | 14.873 | 34.944 | 5.55 | 0.21 | 25.958 | 0.111 | 1507. | 7.6 |
| 46 | 46.1 | 14.972 | 35.008 | 5.47 | 0.21 | 25.985 | 0.115 | 1507. | 6.5 |
| 48 | 47.9 | 15.026 | 35.046 | 5.41 | 0.19 | 26.002 | 0.119 | 1508. | 5.8 |
| 50 | 49.9 | 15.024 | 35.081 | 5.35 | 0.20 | 26.030 | 0.123 | 1508. | 5.4 |
| 52 | 52.2 | 15.109 | 35.138 | 5.25 | 0.19 | 26.055 | 0.127 | 1508. | 5.0 |
| 54 | 54.1 | 15.094 | 35.146 | 5.18 | 0.19 | 26.065 | 0.131 | 1508. | 4.7 |
| 56 | 56.0 | 15.039 | 35.136 | 5.16 | 0.18 | 26.069 | 0.135 | 1508. | 4.5 |
| 58 | 58.1 | 14.973 | 35.132 | 5.14 | 0.18 | 26.080 | 0.139 | 1508. | 4.3 |
| 60 | 60.2 | 14.955 | 35.135 | 5.11 | 0.18 | 26.086 | 0.143 | 1508. | 4.4 |
| 62 | 62.1 | 14.892 | 35.140 | 5.08 | 0.19 | 26.104 | 0.147 | 1508. | 4.8 |
| 64 | 64.1 | 14.762 | 35.123 | 5.09 | 0.16 | 26.120 | 0.150 | 1507. | 5.1 |
| 66 | 66.0 | 14.526 | 35.073 | 5.04 | 0.17 | 26.132 | 0.154 | 1506. | 5.2 |
| 67 | 68.0 | 13.867 | 34.915 | 5.15 | 0.17 | 26.150 | 0.158 | 1504. | 5.1 |
| 69 | 70.0 | 13.734 | 34.924 | 5.13 | 0.18 | 26.185 | 0.162 | 1504. | 4.8 |
| 71 | 72.0 | 13.460 | 34.868 | 5.14 | 0.18 | 26.198 | 0.165 | 1503. | 4.6 |
| 73 | 74.0 | 13.313 | 34.834 | 5.14 | 0.19 | 26.202 | 0.169 | 1502. | 4.3 |
| 76 | 76.2 | 13.277 | 34.827 | 5.13 | 0.19 | 26.204 | 0.173 | 1502. | 4.0 |
| 77 | 78.0 | 13.225 | 34.823 | 5.10 | 0.18 | 26.211 | 0.176 | 1502. | 3.7 |
| 79 | 80.1 | 13.199 | 34.837 | 5.11 | 0.18 | 26.227 | 0.180 | 1502. | 3.8 |
| 81 | 81.2 | 13.201 | 34.843 | 5.14 | 0.19 | 26.231 | 0.182 | 1502. | 4.0 |
| 81 | 82.0 | 13.196 | 34.848 | 5.05 | 0.19 | 26.236 | 0.183 | 1502. | 4.2 |
| 82 | 83.0 | 13.176 | 34.854 | 4.99 | 0.20 | 26.245 | 0.185 | 1502. | 4.5 |
| 83 | 84.0 | 13.108 | 34.842 | 5.03 | 0.18 | 26.249 | 0.187 | 1502. | 4.6 |
| 84 | 85.1 | 13.009 | 34.817 | 5.06 | 0.18 | 26.250 | 0.189 | 1501. | 4.9 |
| 85 | 86.0 | 12.785 | 34.768 | 5.11 | 0.18 | 26.257 | 0.190 | 1501. | 4.9 |
| 86 | 87.0 | 12.796 | 34.795 | 5.07 | 0.18 | 26.275 | 0.192 | 1501. | 4.7 |
| 87 | 88.0 | 12.859 | 34.818 | 5.03 | 0.19 | 26.281 | 0.194 | 1501. | 4.8 |
| 88 | 89.0 | 12.972 | 34.864 | 5.00 | 0.18 | 26.293 | 0.196 | 1501. | 4.7 |
| 89 | 90.0 | 12.934 | 34.852 | 5.03 | 0.18 | 26.292 | 0.197 | 1501. | 4.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 2 | 07 JUL 1982 | 0554 | 40°33.8'N | 67°45.0'W | 100 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 90 | 91.0 | 12.798 | 34.815 | 5.05 | 0.18 | 26.291 | 0.199 | 1501. | 4.4 |
| 91 | 92.0 | 12.641 | 34.790 | 5.04 | 0.18 | 26.302 | 0.201 | 1500. | 4.4 |
| 92 | 93.0 | 12.572 | 34.779 | 5.07 | 0.19 | 26.307 | 0.203 | 1500. | 4.4 |
| 93 | 94.0 | 12.513 | 34.774 | 5.05 | 0.19 | 26.315 | 0.205 | 1500. | 4.4 |
| 94 | 95.0 | 12.430 | 34.774 | 4.98 | 0.19 | 26.331 | 0.206 | 1500. | 4.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 3 | 07 JUL 1982 | 1146 | 40°27.2'N | 67°38.0'W | 155 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 2.7 | 21.563 | 35.443 | 4.98 | 0.22 | 24.678 | 0.000 | 1526. | 8.5 |
| 4 | 4.1 | 21.573 | 35.446 | 4.98 | 0.22 | 24.678 | 0.005 | 1526. | 8.5 |
| 6 | 5.9 | 21.552 | 35.445 | 4.99 | 0.22 | 24.683 | 0.011 | 1526. | 8.5 |
| 8 | 8.0 | 21.359 | 35.441 | 5.05 | 0.22 | 24.733 | 0.017 | 1526. | 8.5 |
| 10 | 10.0 | 21.233 | 35.444 | 5.04 | 0.23 | 24.769 | 0.024 | 1525. | 8.5 |
| 12 | 12.0 | 21.080 | 35.412 | 5.06 | 0.23 | 24.787 | 0.030 | 1525. | 10.2 |
| 14 | 14.1 | 20.865 | 35.427 | 5.04 | 0.24 | 24.857 | 0.036 | 1525. | 12.0 |
| 16 | 15.9 | 20.840 | 35.474 | 5.04 | 0.25 | 24.900 | 0.042 | 1525. | 13.5 |
| 18 | 18.0 | 20.416 | 35.546 | 5.10 | 0.25 | 25.069 | 0.048 | 1524. | 14.5 |
| 20 | 20.0 | 19.894 | 35.619 | 5.18 | 0.25 | 25.264 | 0.054 | 1522. | 14.9 |
| 22 | 22.0 | 18.990 | 35.581 | 5.34 | 0.26 | 25.469 | 0.059 | 1520. | 14.6 |
| 24 | 24.0 | 18.306 | 35.592 | 5.38 | 0.31 | 25.650 | 0.064 | 1518. | 13.9 |
| 26 | 26.1 | 18.020 | 35.582 | 5.37 | 0.33 | 25.715 | 0.069 | 1517. | 12.6 |
| 28 | 27.9 | 17.825 | 35.583 | 5.36 | 0.33 | 25.763 | 0.073 | 1516. | 11.1 |
| 30 | 30.1 | 17.574 | 35.564 | 5.22 | 0.32 | 25.810 | 0.078 | 1516. | 9.7 |
| 32 | 31.9 | 17.323 | 35.551 | 5.23 | 0.29 | 25.861 | 0.082 | 1515. | 8.8 |
| 34 | 34.0 | 16.960 | 35.536 | 5.16 | 0.26 | 25.936 | 0.086 | 1514. | 8.5 |
| 36 | 36.1 | 16.883 | 35.547 | 5.03 | 0.25 | 25.963 | 0.090 | 1514. | 8.1 |
| 38 | 38.0 | 16.782 | 35.557 | 5.00 | 0.25 | 25.995 | 0.094 | 1513. | 7.6 |
| 40 | 40.0 | 16.570 | 35.548 | 4.92 | 0.23 | 26.037 | 0.098 | 1513. | 7.1 |
| 42 | 42.0 | 16.467 | 35.565 | 4.86 | 0.22 | 26.075 | 0.102 | 1513. | 6.6 |
| 44 | 44.0 | 16.437 | 35.572 | 4.80 | 0.21 | 26.088 | 0.106 | 1513. | 6.5 |
| 46 | 45.9 | 16.406 | 35.575 | 4.80 | 0.21 | 26.097 | 0.110 | 1512. | 6.3 |
| 48 | 48.0 | 16.300 | 35.592 | 4.77 | 0.20 | 26.134 | 0.114 | 1512. | 5.9 |
| 50 | 50.1 | 16.249 | 35.603 | 4.70 | 0.20 | 26.155 | 0.118 | 1512. | 5.7 |
| 52 | 52.0 | 16.154 | 35.612 | 4.71 | 0.19 | 26.184 | 0.121 | 1512. | 5.9 |
| 54 | 53.9 | 16.084 | 35.618 | 4.68 | 0.19 | 26.204 | 0.125 | 1512. | 6.2 |
| 56 | 56.0 | 16.064 | 35.621 | 4.65 | 0.18 | 26.212 | 0.128 | 1512. | 6.3 |
| 57 | 57.9 | 15.999 | 35.621 | 4.63 | 0.18 | 26.227 | 0.132 | 1511. | 6.4 |
| 60 | 60.2 | 15.771 | 35.617 | 4.63 | 0.17 | 26.276 | 0.136 | 1511. | 6.5 |
| 61 | 61.9 | 15.633 | 35.623 | 4.53 | 0.16 | 26.311 | 0.139 | 1510. | 6.6 |
| 64 | 64.1 | 15.486 | 35.616 | 4.53 | 0.16 | 26.339 | 0.143 | 1510. | 6.6 |
| 65 | 65.9 | 15.389 | 35.613 | 4.50 | 0.15 | 26.359 | 0.146 | 1510. | 6.1 |
| 68 | 68.1 | 15.274 | 35.608 | 4.48 | 0.15 | 26.381 | 0.149 | 1509. | 5.5 |
| 70 | 70.1 | 15.190 | 35.618 | 4.51 | 0.14 | 26.407 | 0.153 | 1509. | 5.0 |
| 71 | 71.9 | 15.164 | 35.622 | 4.51 | 0.14 | 26.416 | 0.156 | 1509. | 4.7 |
| 73 | 74.0 | 15.160 | 35.624 | 4.49 | 0.14 | 26.418 | 0.159 | 1509. | 4.5 |
| 75 | 76.0 | 15.113 | 35.624 | 4.49 | 0.14 | 26.429 | 0.162 | 1509. | 4.2 |
| 77 | 78.0 | 15.022 | 35.617 | 4.47 | 0.14 | 26.443 | 0.165 | 1509. | 3.9 |
| 79 | 80.0 | 14.954 | 35.617 | 4.48 | 0.14 | 26.458 | 0.169 | 1509. | 3.9 |
| 81 | 82.0 | 14.954 | 35.626 | 4.48 | 0.14 | 26.466 | 0.172 | 1509. | 5.0 |
| 83 | 84.0 | 14.968 | 35.639 | 4.44 | 0.14 | 26.473 | 0.175 | 1509. | 5.9 |
| 85 | 85.9 | 14.971 | 35.643 | 4.43 | 0.14 | 26.475 | 0.178 | 1509. | 6.4 |
| 87 | 88.0 | 14.869 | 35.635 | 4.44 | 0.14 | 26.491 | 0.181 | 1508. | 6.8 |
| 89 | 90.1 | 14.216 | 35.577 | 4.54 | 0.13 | 26.588 | 0.184 | 1506. | 7.0 |
| 91 | 92.1 | 14.030 | 35.576 | 4.58 | 0.12 | 26.626 | 0.187 | 1506. | 7.0 |
| 93 | 94.0 | 13.875 | 35.550 | 4.61 | 0.12 | 26.639 | 0.190 | 1505. | 6.7 |
| 95 | 96.0 | 13.650 | 35.511 | 4.62 | 0.12 | 26.656 | 0.193 | 1505. | 5.9 |
| 97 | 97.9 | 13.455 | 35.483 | 4.66 | 0.12 | 26.675 | 0.195 | 1504. | 4.9 |
| 99 | 100.1 | 13.340 | 35.465 | 4.66 | 0.12 | 26.685 | 0.198 | 1504. | 4.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 3 | 07 JUL 1982 | 1146 | 40°27.2'N | 67°38.0'W | 155 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 101.9 | 13.256 | 35.451 | 4.67 | 0.12 | 26.691 | 0.201 | 1503. | 4.8 |
| 103 | 104.1 | 13.040 | 35.413 | 4.67 | 0.12 | 26.705 | 0.204 | 1503. | 5.0 |
| 105 | 106.0 | 12.933 | 35.407 | 4.67 | 0.12 | 26.722 | 0.206 | 1502. | 5.2 |
| 107 | 108.1 | 12.842 | 35.410 | 4.66 | 0.12 | 26.743 | 0.209 | 1502. | 5.5 |
| 109 | 109.9 | 12.883 | 35.442 | 4.59 | 0.12 | 26.760 | 0.212 | 1502. | 5.6 |
| 111 | 112.1 | 12.721 | 35.439 | 4.57 | 0.12 | 26.790 | 0.214 | 1502. | 5.4 |
| 113 | 113.9 | 12.685 | 35.457 | 4.50 | 0.12 | 26.811 | 0.217 | 1502. | 5.3 |
| 115 | 116.2 | 12.749 | 35.498 | 4.43 | 0.12 | 26.830 | 0.220 | 1502. | 5.1 |
| 117 | 117.9 | 12.757 | 35.505 | 4.38 | 0.12 | 26.834 | 0.222 | 1502. | 4.7 |
| 119 | 120.1 | 12.676 | 35.491 | 4.35 | 0.12 | 26.839 | 0.224 | 1502. | 4.2 |
| 121 | 122.0 | 12.565 | 35.500 | 4.33 | 0.12 | 26.868 | 0.227 | 1501. | 3.9 |
| 123 | 124.1 | 12.567 | 35.506 | 4.27 | 0.12 | 26.873 | 0.229 | 1501. | 3.7 |
| 125 | 126.0 | 12.577 | 35.512 | 4.21 | 0.12 | 26.875 | 0.231 | 1501. | 3.7 |
| 127 | 128.0 | 12.556 | 35.510 | 4.23 | 0.12 | 26.877 | 0.234 | 1501. | 3.6 |
| 129 | 129.9 | 12.439 | 35.492 | 4.23 | 0.12 | 26.887 | 0.236 | 1501. | 3.3 |
| 131 | 132.0 | 12.374 | 35.487 | 4.25 | 0.13 | 26.896 | 0.239 | 1501. | 3.4 |
| 133 | 134.0 | 12.343 | 35.493 | 4.26 | 0.13 | 26.906 | 0.241 | 1501. | 3.4 |
| 135 | 136.1 | 12.314 | 35.496 | 4.25 | 0.13 | 26.915 | 0.244 | 1501. | 3.4 |
| 137 | 138.0 | 12.335 | 35.505 | 4.18 | 0.13 | 26.917 | 0.246 | 1501. | 3.3 |
| 139 | 140.0 | 12.403 | 35.531 | 4.15 | 0.12 | 26.924 | 0.248 | 1501. | 3.1 |
| 140 | 141.2 | 12.402 | 35.537 | 4.11 | 0.12 | 26.928 | 0.249 | 1501. | 3.0 |
| 141 | 142.0 | 12.401 | 35.537 | 4.10 | 0.12 | 26.929 | 0.250 | 1501. | 3.0 |
| 142 | 143.0 | 12.409 | 35.541 | 4.06 | 0.12 | 26.931 | 0.251 | 1501. | 4.0 |
| 143 | 144.0 | 12.408 | 35.547 | 4.02 | 0.12 | 26.936 | 0.253 | 1501. | 5.0 |
| 144 | 145.0 | 12.374 | 35.541 | 4.01 | 0.12 | 26.938 | 0.254 | 1501. | 5.5 |
| 145 | 146.0 | 12.271 | 35.522 | 4.00 | 0.12 | 26.943 | 0.255 | 1501. | 5.7 |
| 146 | 147.0 | 11.943 | 35.482 | 4.06 | 0.12 | 26.975 | 0.256 | 1500. | 5.8 |
| 147 | 148.0 | 11.887 | 35.492 | 4.04 | 0.12 | 26.993 | 0.257 | 1499. | 5.8 |
| 148 | 149.0 | 11.885 | 35.494 | 3.96 | 0.12 | 26.995 | 0.258 | 1499. | 5.8 |
| 149 | 150.0 | 11.869 | 35.489 | 3.94 | 0.12 | 26.995 | 0.259 | 1499. | 5.8 |
| 150 | 150.9 | 11.857 | 35.493 | 3.97 | 0.12 | 27.000 | 0.260 | 1499. | 5.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 4 | 07 JUL 1982 | 1745 | 40°31.5'N | 67°42.8'W | 287 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 3.9 | 21.201 | 35.471 | 5.03 | 0.21 | 24.799 | 0.000 | 1525. | 4.5 |
| 6 | 6.0 | 21.207 | 35.471 | 5.02 | 0.21 | 24.797 | 0.006 | 1525. | 4.5 |
| 8 | 8.0 | 21.207 | 35.471 | 5.06 | 0.21 | 24.797 | 0.013 | 1525. | 4.5 |
| 10 | 10.0 | 21.208 | 35.471 | 5.04 | 0.21 | 24.797 | 0.019 | 1525. | 4.5 |
| 12 | 12.1 | 21.190 | 35.467 | 4.96 | 0.21 | 24.799 | 0.026 | 1525. | 4.5 |
| 14 | 14.0 | 21.081 | 35.459 | 4.97 | 0.21 | 24.822 | 0.032 | 1525. | 4.9 |
| 16 | 16.0 | 20.915 | 35.454 | 5.00 | 0.21 | 24.864 | 0.038 | 1525. | 5.6 |
| 18 | 18.0 | 20.846 | 35.458 | 5.01 | 0.22 | 24.886 | 0.044 | 1525. | 6.6 |
| 20 | 20.0 | 20.843 | 35.460 | 5.00 | 0.22 | 24.888 | 0.050 | 1525. | 7.4 |
| 22 | 21.9 | 20.834 | 35.465 | 4.97 | 0.22 | 24.894 | 0.056 | 1525. | 8.1 |
| 24 | 24.0 | 20.696 | 35.503 | 5.02 | 0.23 | 24.961 | 0.062 | 1524. | 8.8 |
| 26 | 25.9 | 20.478 | 35.541 | 5.06 | 0.25 | 25.049 | 0.068 | 1524. | 9.4 |
| 28 | 28.1 | 20.324 | 35.550 | 5.10 | 0.26 | 25.096 | 0.074 | 1523. | 9.8 |
| 30 | 29.9 | 20.120 | 35.569 | 5.17 | 0.28 | 25.165 | 0.079 | 1523. | 9.7 |
| 32 | 32.1 | 19.896 | 35.594 | 5.20 | 0.30 | 25.244 | 0.085 | 1522. | 9.2 |
| 34 | 34.0 | 19.755 | 35.606 | 5.23 | 0.32 | 25.290 | 0.091 | 1522. | 8.6 |
| 36 | 36.0 | 19.618 | 35.612 | 5.23 | 0.33 | 25.331 | 0.096 | 1522. | 8.6 |
| 38 | 38.0 | 19.550 | 35.620 | 5.23 | 0.33 | 25.354 | 0.101 | 1522. | 8.4 |
| 40 | 40.0 | 19.462 | 35.625 | 5.25 | 0.33 | 25.381 | 0.106 | 1521. | 8.4 |
| 42 | 42.0 | 19.230 | 35.605 | 5.29 | 0.34 | 25.426 | 0.112 | 1521. | 8.6 |
| 44 | 44.1 | 18.598 | 35.512 | 5.40 | 0.36 | 25.516 | 0.117 | 1519. | 8.8 |
| 46 | 46.0 | 18.424 | 35.508 | 5.41 | 0.37 | 25.557 | 0.121 | 1518. | 8.9 |
| 48 | 48.0 | 17.979 | 35.415 | 5.46 | 0.38 | 25.596 | 0.126 | 1517. | 9.7 |
| 50 | 50.0 | 17.156 | 35.224 | 5.56 | 0.37 | 25.650 | 0.131 | 1514. | 10.4 |
| 52 | 52.0 | 17.237 | 35.306 | 5.50 | 0.36 | 25.693 | 0.136 | 1515. | 10.7 |
| 54 | 54.0 | 16.273 | 35.071 | 5.72 | 0.35 | 25.740 | 0.140 | 1512. | 10.9 |
| 56 | 56.0 | 14.840 | 34.884 | 5.84 | 0.25 | 25.918 | 0.145 | 1507. | 10.8 |
| 58 | 58.0 | 14.642 | 34.959 | 5.79 | 0.23 | 26.019 | 0.149 | 1506. | 10.3 |
| 60 | 60.0 | 14.172 | 34.872 | 5.75 | 0.22 | 26.053 | 0.153 | 1505. | 9.5 |
| 62 | 62.0 | 13.883 | 34.840 | 5.69 | 0.22 | 26.088 | 0.157 | 1504. | 8.5 |
| 64 | 64.0 | 13.895 | 34.875 | 5.56 | 0.21 | 26.113 | 0.160 | 1504. | 7.0 |
| 65 | 66.0 | 13.873 | 34.885 | 5.54 | 0.20 | 26.126 | 0.164 | 1504. | 6.3 |
| 67 | 68.0 | 13.795 | 34.885 | 5.51 | 0.23 | 26.142 | 0.168 | 1504. | 5.8 |
| 70 | 70.1 | 14.741 | 35.218 | 5.28 | 0.20 | 26.197 | 0.172 | 1507. | 5.3 |
| 71 | 72.0 | 14.803 | 35.226 | 5.31 | 0.19 | 26.190 | 0.175 | 1507. | 4.9 |
| 73 | 74.0 | 15.239 | 35.401 | 5.14 | 0.19 | 26.229 | 0.179 | 1509. | 4.8 |
| 75 | 76.0 | 15.607 | 35.487 | 5.05 | 0.18 | 26.213 | 0.183 | 1510. | 4.6 |
| 77 | 78.0 | 16.013 | 35.619 | 4.93 | 0.19 | 26.222 | 0.186 | 1512. | 4.1 |
| 79 | 80.0 | 15.994 | 35.628 | 4.93 | 0.18 | 26.233 | 0.190 | 1512. | 4.5 |
| 81 | 82.0 | 15.997 | 35.664 | 4.96 | 0.17 | 26.260 | 0.193 | 1512. | 5.1 |
| 83 | 84.0 | 16.014 | 35.698 | 4.82 | 0.16 | 26.282 | 0.197 | 1512. | 6.0 |
| 85 | 86.0 | 15.180 | 35.434 | 4.91 | 0.15 | 26.268 | 0.201 | 1509. | 6.2 |
| 87 | 88.0 | 14.528 | 35.301 | 4.97 | 0.14 | 26.308 | 0.204 | 1507. | 6.3 |
| 89 | 90.1 | 14.491 | 35.370 | 4.91 | 0.14 | 26.369 | 0.208 | 1507. | 6.3 |
| 91 | 91.9 | 15.292 | 35.632 | 4.79 | 0.13 | 26.395 | 0.211 | 1510. | 6.2 |
| 93 | 94.1 | 15.350 | 35.649 | 4.76 | 0.13 | 26.395 | 0.214 | 1510. | 6.3 |
| 95 | 95.9 | 15.062 | 35.603 | 4.78 | 0.12 | 26.424 | 0.217 | 1509. | 6.2 |
| 97 | 98.0 | 14.929 | 35.585 | 4.75 | 0.12 | 26.439 | 0.221 | 1509. | 6.0 |
| 99 | 100.1 | 14.833 | 35.573 | 4.74 | 0.12 | 26.452 | 0.224 | 1508. | 6.2 |
| 101 | 101.9 | 14.528 | 35.547 | 4.81 | 0.11 | 26.498 | 0.227 | 1507. | 6.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 4 | 07 JUL 1982 | 1745 | 40°31.5'N | 67°42.8'W | 287 |

| DEPTH<br>m | PRESS<br>dbar | TEMP<br>°C | SALIN<br>psu | OXY<br>ml/l | ATN<br>$m^{-1}$ | SIGT<br>$gm/cm^3$ | DYHT A<br>$10m^2/s^2$ | S SPD<br>m/s | N<br>cph |
|---|---|---|---|---|---|---|---|---|---|
| 103 | 104.0 | 14.234 | 35.517 | 4.78 | 0.11 | 26.538 | 0.230 | 1507. | 6.3 |
| 105 | 106.0 | 14.090 | 35.490 | 4.77 | 0.11 | 26.547 | 0.233 | 1506. | 6.1 |
| 107 | 108.0 | 14.010 | 35.496 | 4.80 | 0.11 | 26.569 | 0.236 | 1506. | 5.8 |
| 109 | 110.1 | 13.928 | 35.500 | 4.76 | 0.11 | 26.590 | 0.239 | 1506. | 5.3 |
| 111 | 111.9 | 13.777 | 35.483 | 4.80 | 0.11 | 26.608 | 0.242 | 1505. | 5.0 |
| 113 | 114.1 | 13.621 | 35.454 | 4.76 | 0.11 | 26.618 | 0.245 | 1505. | 4.9 |
| 115 | 115.9 | 13.528 | 35.447 | 4.78 | 0.11 | 26.632 | 0.248 | 1504. | 4.9 |
| 117 | 118.0 | 13.481 | 35.457 | 4.75 | 0.11 | 26.649 | 0.250 | 1504. | 5.0 |
| 119 | 120.1 | 13.497 | 35.471 | 4.71 | 0.11 | 26.657 | 0.253 | 1504. | 5.3 |
| 121 | 121.9 | 13.322 | 35.444 | 4.75 | 0.11 | 26.672 | 0.256 | 1504. | 5.6 |
| 123 | 124.1 | 13.022 | 35.395 | 4.70 | 0.11 | 26.695 | 0.259 | 1503. | 5.9 |
| 125 | 126.0 | 12.662 | 35.336 | 4.76 | 0.12 | 26.722 | 0.262 | 15 2. | 6.3 |
| 127 | 128.0 | 12.531 | 35.352 | 4.69 | 0.12 | 26.760 | 0.264 | 1501. | 6.6 |
| 129 | 129.9 | 12.497 | 35.357 | 4.66 | 0.12 | 26.771 | 0.267 | 1501. | 6.6 |
| 131 | 132.1 | 12.394 | 35.373 | 4.58 | 0.12 | 26.803 | 0.269 | 1501. | 6.5 |
| 133 | 134.0 | 12.212 | 35.384 | 4.59 | 0.12 | 26.847 | 0.272 | 1500. | 6.2 |
| 135 | 136.0 | 12.129 | 35.391 | 4.57 | 0.12 | 26.869 | 0.274 | 1500. | 5.9 |
| 137 | 138.0 | 12.080 | 35.394 | 4.52 | 0.13 | 26.880 | 0.277 | 1500. | 5.6 |
| 139 | 140.0 | 12.002 | 35.393 | 4.51 | 0.13 | 26.894 | 0.279 | 1500. | 5.0 |
| 141 | 142.1 | 11.876 | 35.388 | 4.46 | 0.14 | 26.915 | 0.282 | 1499. | 4.4 |
| 143 | 144.0 | 11.835 | 35.391 | 4.48 | 0.13 | 26.925 | 0.284 | 1499. | 3.9 |
| 145 | 146.1 | 11.812 | 35.396 | 4.43 | 0.13 | 26.933 | 0.286 | 1499. | 3.5 |
| 147 | 147.9 | 11.796 | 35.399 | 4.43 | 0.13 | 26.939 | 0.288 | 1499. | 2.9 |
| 149 | 150.1 | 11.790 | 35.400 | 4.38 | 0.13 | 26.941 | 0.291 | 1499. | 2.3 |
| 151 | 151.9 | 11.785 | 35.400 | 4.39 | 0.13 | 26.942 | 0.293 | 1499. | 1.9 |
| 153 | 154.0 | 11.780 | 35.400 | 4.39 | 0.13 | 26.943 | 0.295 | 1499. | 1.5 |
| 155 | 156.0 | 11.774 | 35.400 | 4.35 | 0.13 | 26.944 | 0.298 | 1499. | 1.3 |
| 157 | 157.9 | 11.770 | 35.400 | 4.38 | 0.13 | 26.944 | 0.300 | 1499. | 1.5 |
| 159 | 160.0 | 11.760 | 35.399 | 4.33 | 0.13 | 26.945 | 0.302 | 1499. | 1.7 |
| 161 | 162.0 | 11.754 | 35.399 | 4.34 | 0.13 | 26.946 | 0.304 | 1499. | 1.9 |
| 163 | 164.0 | 11.729 | 35.395 | 4.33 | 0.13 | 26.949 | 0.307 | 1499. | 2.1 |
| 165 | 166.0 | 11.690 | 35.393 | 4.34 | 0.13 | 26.954 | 0.309 | 1499. | 2.6 |
| 167 | 167.9 | 11.659 | 35.389 | 4.32 | 0.13 | 26.957 | 0.311 | 1499. | 3.0 |
| 169 | 170.0 | 11.637 | 35.388 | 4.32 | 0.13 | 26.960 | 0.313 | 1499. | 3.3 |
| 171 | 172.0 | 11.578 | 35.379 | 4.29 | 0.13 | 26.964 | 0.316 | 1499. | 3.4 |
| 173 | 174.0 | 11.437 | 35.368 | 4.32 | 0.14 | 26.982 | 0.318 | 1498. | 3.4 |
| 175 | 176.0 | 11.361 | 35.364 | 4.31 | 0.14 | 26.993 | 0.320 | 1498. | 3.3 |
| 177 | 178.0 | 11.339 | 35.364 | 4.31 | 0.14 | 26.998 | 0.322 | 1498. | 3.2 |
| 179 | 180.0 | 11.322 | 35.365 | 4.26 | 0.14 | 27.001 | 0.325 | 1498. | 3.0 |
| 180 | 182.0 | 11.310 | 35.365 | 4.28 | 0.14 | 27.004 | 0.327 | 1498. | 2.7 |
| 183 | 184.1 | 11.274 | 35.359 | 4.28 | 0.14 | 27.005 | 0.329 | 1498. | 2.6 |
| 184 | 186.0 | 11.215 | 35.354 | 4.30 | 0.14 | 27.013 | 0.331 | 1498. | 2.9 |
| 187 | 188.1 | 11.184 | 35.353 | 4.24 | 0.14 | 27.017 | 0.333 | 1498. | 3.3 |
| 188 | 190.0 | 11.147 | 35.351 | 4.28 | 0.15 | 27.023 | 0.335 | 1497. | 3.9 |
| 190 | 192.1 | 11.143 | 35.352 | 4.25 | 0.15 | 27.024 | 0.337 | 1497. | 4.3 |
| 192 | 194.0 | 10.953 | 35.335 | 4.31 | 0.15 | 27.045 | 0.340 | 1497. | 4.5 |
| 194 | 196.1 | 10.844 | 35.329 | 4.28 | 0.16 | 27.060 | 0.342 | 1496. | 4.6 |
| 196 | 197.9 | 10.673 | 35.315 | 4.32 | 0.17 | 27.081 | 0.344 | 1496. | 4.6 |
| 198 | 200.1 | 10.596 | 35.317 | 4.29 | 0.18 | 27.096 | 0.346 | 1496. | 4.3 |
| 200 | 201.8 | 10.545 | 35.310 | 4.34 | 0.18 | 27.100 | 0.347 | 1495. | 3.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 4 | 07 JUL 1982 | 1745 | 40°31.5'N | 67°42.8'W | 287 |

| DEPTH<br>m | PRESS<br>dbar | TEMP<br>°C | SALIN<br>psu | OXY<br>ml/l | ATN<br>$m^{-1}$ | SIGT<br>$gm/cm^3$ | DYHT A<br>$10m^2/s^2$ | S SPD<br>m/s | N<br>cph |
|---|---|---|---|---|---|---|---|---|---|
| 202 | 204.0 | 10.473 | 35.308 | 4.29 | 0.18 | 27.111 | 0.350 | 1495. | 3.1 |
| 204 | 206.0 | 10.473 | 35.310 | 4.26 | 0.18 | 27.112 | 0.352 | 1495. | 2.3 |
| 206 | 208.1 | 10.475 | 35.310 | 4.29 | 0.18 | 27.112 | 0.354 | 1495. | 1.6 |
| 208 | 209.9 | 10.476 | 35.310 | 4.31 | 0.18 | 27.111 | 0.355 | 1495. | 1.1 |
| 210 | 212.0 | 10.461 | 35.308 | 4.29 | 0.19 | 27.112 | 0.358 | 1495. | -0.7 |
| 212 | 214.1 | 10.492 | 35.312 | 4.27 | 0.18 | 27.110 | 0.360 | 1495. | -0.7 |
| 214 | 215.9 | 10.480 | 35.308 | 4.31 | 0.19 | 27.109 | 0.362 | 1495. | -0.5 |
| 216 | 218.0 | 10.486 | 35.311 | 4.27 | 0.19 | 27.111 | 0.364 | 1496. | 0.9 |
| 218 | 220.0 | 10.496 | 35.310 | 4.27 | 0.18 | 27.108 | 0.366 | 1496. | 1.5 |
| 220 | 222.0 | 10.489 | 35.311 | 4.30 | 0.18 | 27.110 | 0.368 | 1496. | 2.0 |
| 222 | 224.0 | 10.471 | 35.309 | 4.26 | 0.18 | 27.112 | 0.370 | 1496. | 2.2 |
| 224 | 226.0 | 10.411 | 35.305 | 4.27 | 0.19 | 27.119 | 0.372 | 1495. | 2.4 |
| 226 | 228.0 | 10.369 | 35.304 | 4.28 | 0.19 | 27.126 | 0.373 | 1495. | 2.4 |
| 228 | 230.0 | 10.342 | 35.302 | 4.28 | 0.19 | 27.129 | 0.375 | 1495. | 2.4 |
| 230 | 231.9 | 10.324 | 35.300 | 4.30 | 0.19 | 27.130 | 0.377 | 1495. | 2.1 |
| 232 | 234.1 | 10.324 | 35.302 | 4.27 | 0.19 | 27.132 | 0.379 | 1495. | 1.9 |
| 234 | 235.9 | 10.298 | 35.298 | 4.29 | 0.19 | 27.134 | 0.381 | 1495. | 2.0 |
| 236 | 238.0 | 10.282 | 35.298 | 4.29 | 0.19 | 27.137 | 0.383 | 1495. | 2.2 |
| 238 | 240.0 | 10.295 | 35.300 | 4.28 | 0.19 | 27.135 | 0.385 | 1495. | 2.3 |
| 240 | 242.1 | 10.252 | 35.294 | 4.28 | 0.20 | 27.139 | 0.387 | 1495. | 2.4 |
| 242 | 243.9 | 10.153 | 35.288 | 4.31 | 0.21 | 27.151 | 0.389 | 1495. | 2.4 |
| 244 | 246.0 | 10.149 | 35.289 | 4.29 | 0.21 | 27.153 | 0.391 | 1495. | 2.3 |
| 246 | 248.0 | 10.133 | 35.289 | 4.29 | 0.22 | 27.155 | 0.393 | 1495. | 2.1 |
| 248 | 250.1 | 10.124 | 35.288 | 4.28 | 0.22 | 27.156 | 0.395 | 1495. | 2.4 |
| 249 | 251.2 | 10.145 | 35.291 | 4.30 | 0.22 | 27.155 | 0.396 | 1495. | 2.6 |
| 250 | 252.0 | 10.152 | 35.292 | 4.30 | 0.22 | 27.155 | 0.397 | 1495. | 3.2 |
| 251 | 253.0 | 10.155 | 35.291 | 4.30 | 0.22 | 27.153 | 0.398 | 1495. | 3.8 |
| 252 | 254.0 | 10.048 | 35.299 | 4.32 | 0.23 | 27.177 | 0.399 | 1495. | 4.2 |
| 253 | 255.0 | 9.878 | 35.267 | 4.33 | 0.23 | 27.182 | 0.400 | 1494. | 3.9 |
| 254 | 256.0 | 9.888 | 35.271 | 4.31 | 0.23 | 27.183 | 0.401 | 1494. | 3.5 |
| 255 | 257.0 | 9.879 | 35.277 | 4.31 | 0.23 | 27.190 | 0.401 | 1494. | 3.0 |
| 256 | 258.0 | 9.863 | 35.272 | 4.33 | 0.22 | 27.188 | 0.402 | 1494. | 2.0 |
| 257 | 259.0 | 9.992 | 35.286 | 4.30 | 0.23 | 27.177 | 0.403 | 1494. | 2.1 |
| 258 | 260.0 | 9.876 | 35.271 | 4.31 | 0.23 | 27.185 | 0.404 | 1494. | 2.3 |
| 259 | 261.0 | 9.864 | 35.274 | 4.32 | 0.23 | 27.190 | 0.405 | 1494. | 2.1 |
| 260 | 262.0 | 9.844 | 35.272 | 4.34 | 0.23 | 27.192 | 0.406 | 1494. | 2.3 |
| 261 | 263.0 | 9.792 | 35.266 | 4.32 | 0.23 | 27.195 | 0.407 | 1494. | 2.3 |
| 262 | 264.0 | 9.788 | 35.267 | 4.32 | 0.23 | 27.197 | 0.408 | 1494. | 1.5 |
| 263 | 265.0 | 9.814 | 35.265 | 4.32 | 0.23 | 27.191 | 0.409 | 1494. | -0.8 |
| 264 | 266.0 | 9.841 | 35.274 | 4.31 | 0.23 | 27.194 | 0.410 | 1494. | -0.8 |
| 265 | 267.0 | 9.839 | 35.272 | 4.32 | 0.23 | 27.192 | 0.411 | 1494. | -0.8 |
| 266 | 268.1 | 9.835 | 35.273 | 4.34 | 0.22 | 27.194 | 0.412 | 1494. | -0.8 |
| 266 | 268.7 | 9.877 | 35.273 | 4.30 | 0.21 | 27.187 | 0.412 | 1494. | -0.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 5 | 11 JUL 1982 | 1620 | 40°32.2'N | 67°44.2'W | 155 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 2.8 | 21.905 | 35.279 | 5.14 | 0.23 | 24.458 | 0.000 | 1527. | 7.6 |
| 4 | 4.0 | 21.866 | 35.269 | 5.15 | 0.23 | 24.461 | 0.004 | 1527. | 7.6 |
| 6 | 6.0 | 21.507 | 35.247 | 5.19 | 0.24 | 24.545 | 0.011 | 1526. | 7.6 |
| 8 | 8.0 | 21.460 | 35.249 | 5.20 | 0.23 | 24.558 | 0.018 | 1526. | 7.6 |
| 10 | 10.0 | 21.305 | 35.234 | 5.22 | 0.23 | 24.590 | 0.024 | 1525. | 7.6 |
| 12 | 12.0 | 21.114 | 35.220 | 5.25 | 0.23 | 24.632 | 0.031 | 1525. | 7.3 |
| 14 | 14.1 | 21.055 | 35.252 | 5.25 | 0.24 | 24.673 | 0.038 | 1525. | 7.2 |
| 16 | 16.0 | 21.044 | 35.287 | 5.28 | 0.24 | 24.701 | 0.044 | 1525. | 8.0 |
| 18 | 18.0 | 21.104 | 35.334 | 5.25 | 0.24 | 24.722 | 0.051 | 1525. | 8.4 |
| 20 | 20.0 | 21.147 | 35.368 | 5.23 | 0.24 | 24.736 | 0.057 | 1525. | 8.6 |
| 22 | 22.0 | 21.096 | 35.459 | 5.25 | 0.23 | 24.819 | 0.063 | 1525. | 8.9 |
| 24 | 24.0 | 20.888 | 35.521 | 5.26 | 0.23 | 24.922 | 0.069 | 1525. | 9.6 |
| 26 | 26.0 | 20.780 | 35.536 | 5.27 | 0.23 | 24.963 | 0.076 | 1525. | 10.1 |
| 28 | 27.9 | 20.737 | 35.538 | 5.32 | 0.23 | 24.976 | 0.081 | 1525. | 10.2 |
| 30 | 30.0 | 20.518 | 35.549 | 5.35 | 0.23 | 25.044 | 0.087 | 1524. | 9.7 |
| 32 | 32.0 | 20.073 | 35.567 | 5.39 | 0.25 | 25.176 | 0.093 | 1523. | 9.1 |
| 34 | 34.0 | 19.867 | 35.576 | 5.40 | 0.25 | 25.238 | 0.099 | 1522. | 9.0 |
| 36 | 35.9 | 19.793 | 35.580 | 5.37 | 0.26 | 25.260 | 0.104 | 1522. | 9.1 |
| 38 | 38.0 | 19.754 | 35.580 | 5.[illegible] | 0.26 | 25.271 | 0.109 | 1522. | 9.1 |
| 40 | 40.0 | 19.704 | 35.588 | 5.27 | 0.26 | 25.290 | 0.115 | 1522. | 9.4 |
| 42 | 42.0 | 19.461 | 35.599 | 5.37 | 0.27 | 25.362 | 0.120 | 1521. | 10.2 |
| 44 | 43.9 | 19.143 | 35.610 | 5.39 | 0.28 | 25.452 | 0.125 | 1520. | 11.1 |
| 46 | 46.1 | 18.803 | 35.634 | 5.36 | 0.28 | 25.558 | 0.130 | 1520. | 11.4 |
| 48 | 48.0 | 18.378 | 35.628 | 5.37 | 0.30 | 25.660 | 0.135 | 1518. | 11.3 |
| 50 | 50.0 | 18.037 | 35.620 | 5.34 | 0.29 | 25.739 | 0.140 | 1517. | 10.6 |
| 52 | 52.1 | 17.611 | 35.612 | 5.35 | 0.28 | 25.838 | 0.144 | 1516. | 10.0 |
| 53 | 53.8 | 17.522 | 35.606 | 5.32 | 0.27 | 25.855 | 0.148 | 1516. | 9.2 |
| 56 | 56.0 | 17.408 | 35.600 | 5.23 | 0.26 | 25.878 | 0.153 | 1516. | 8.3 |
| 58 | 58.2 | 17.177 | 35.593 | 5.16 | 0.24 | 25.928 | 0.157 | 1515. | 7.7 |
| 59 | 59.8 | 16.962 | 35.589 | 5.12 | 0.23 | 25.977 | 0.161 | 1514. | 7.2 |
| 62 | 62.1 | 16.846 | 35.596 | 5.05 | 0.21 | 26.009 | 0.165 | 1514. | 7.4 |
| 64 | 64.1 | 16.792 | 35.597 | 4.98 | 0.21 | 26.023 | 0.169 | 1514. | 7.5 |
| 65 | 65.9 | 16.638 | 35.598 | 4.91 | 0.19 | 26.060 | 0.173 | 1514. | 7.6 |
| 68 | 68.1 | 16.526 | 35.595 | 4.84 | 0.18 | 26.084 | 0.177 | 1513. | 7.8 |
| 69 | 69.9 | 16.262 | 35.593 | 4.81 | 0.18 | 26.144 | 0.181 | 1512. | 8.2 |
| 71 | 72.0 | 16.072 | 35.589 | 4.77 | 0.16 | 26.185 | 0.184 | 1512. | 8.5 |
| 73 | 74.0 | 15.840 | 35.583 | 4.70 | 0.15 | 26.233 | 0.188 | 1511. | 8.7 |
| 75 | 76.0 | 15.607 | 35.582 | 4.68 | 0.14 | 26.286 | 0.192 | 1510. | 8.9 |
| 77 | 78.0 | 15.418 | 35.578 | 4.66 | 0.13 | 26.326 | 0.195 | 1510. | 8.7 |
| 79 | 80.0 | 15.177 | 35.582 | 4.66 | 0.12 | 26.382 | 0.198 | 1509. | 8.6 |
| 81 | 82.1 | 14.822 | 35.560 | 4.67 | 0.11 | 26.444 | 0.202 | 1508. | 8.2 |
| 83 | 84.0 | 14.722 | 35.588 | 4.64 | 0.10 | 26.487 | 0.205 | 1508. | 7.6 |
| 85 | 86.1 | 14.596 | 35.585 | 4.63 | 0.10 | 26.513 | 0.208 | 1507. | 7.0 |
| 87 | 88.0 | 14.520 | 35.597 | 4.63 | 0.09 | 26.538 | 0.211 | 1507. | 6.4 |
| 89 | 90.0 | 14.458 | 35.597 | 4.62 | 0.09 | 26.551 | 0.214 | 1507. | 5.8 |
| 91 | 92.0 | 14.407 | 35.599 | 4.60 | 0.09 | 26.564 | 0.217 | 1507. | 5.6 |
| 93 | 94.0 | 14.259 | 35.581 | 4.60 | 0.09 | 26.582 | 0.220 | 1507. | 5.7 |
| 95 | 96.0 | 14.064 | 35.567 | 4.61 | 0.09 | 26.613 | 0.223 | 1506. | 5.8 |
| 97 | 98.0 | 13.956 | 35.559 | 4.59 | 0.09 | 26.629 | 0.226 | 1506. | 6.0 |
| 99 | 100.0 | 13.780 | 35.534 | 4.55 | 0.09 | 26.647 | 0.229 | 1505. | 6.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 5 | 11 JUL 1982 | 1620 | 40°32.2'N | 67°44.2'W | 155 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 13.388 | 35.473 | 4.55 | 0.09 | 26.681 | 0.231 | 1504. | 6.0 |
| 103 | 104.0 | 13.098 | 35.422 | 4.53 | 0.10 | 26.701 | 0.234 | 1503. | 5.9 |
| 105 | 106.0 | 12.908 | 35.403 | 4.52 | 0.10 | 26.725 | 0.237 | 1502. | 5.7 |
| 107 | 108.0 | 12.803 | 35.399 | 4.49 | 0.11 | 26.743 | 0.239 | 1502. | 5.5 |
| 109 | 110.0 | 12.715 | 35.404 | 4.46 | 0.11 | 26.763 | 0.242 | 1502. | 5.2 |
| 111 | 111.9 | 12.662 | 35.403 | 4.44 | 0.11 | 26.774 | 0.245 | 1501. | 5.0 |
| 113 | 114.0 | 12.615 | 35.408 | 4.40 | 0.11 | 26.786 | 0.247 | 1501. | 4.7 |
| 115 | 115.9 | 12.499 | 35.405 | 4.38 | 0.11 | 26.807 | 0.250 | 1501. | 4.3 |
| 117 | 118.1 | 12.398 | 35.396 | 4.39 | 0.12 | 26.820 | 0.252 | 1501. | 4.0 |
| 119 | 120.0 | 12.359 | 35.393 | 4.37 | 0.12 | 26.826 | 0.255 | 1500. | 3.8 |
| 121 | 122.0 | 12.314 | 35.390 | 4.36 | 0.12 | 26.832 | 0.257 | 1500. | 3.7 |
| 123 | 124.1 | 12.304 | 35.389 | 4.35 | 0.12 | 26.833 | 0.260 | 1500. | 3.7 |
| 125 | 126.0 | 12.269 | 35.390 | 4.33 | 0.12 | 26.841 | 0.262 | 1500. | 3.9 |
| 127 | 127.9 | 12.230 | 35.392 | 4.29 | 0.12 | 26.849 | 0.265 | 1500. | 4.0 |
| 129 | 130.1 | 12.174 | 35.401 | 4.29 | 0.12 | 26.868 | 0.267 | 1500. | 4.0 |
| 131 | 131.9 | 12.116 | 35.410 | 4.27 | 0.12 | 26.886 | 0.269 | 1500. | 3.9 |
| 133 | 134.0 | 12.103 | 35.416 | 4.26 | 0.12 | 26.893 | 0.272 | 1500. | 3.7 |
| 135 | 136.0 | 12.074 | 35.415 | 4.26 | 0.12 | 26.898 | 0.274 | 1500. | 3.4 |
| 137 | 138.0 | 12.065 | 35.417 | 4.25 | 0.12 | 26.902 | 0.277 | 1500. | 3.0 |
| 139 | 140.0 | 12.038 | 35.412 | 4.25 | 0.12 | 26.903 | 0.279 | 1500. | 2.7 |
| 140 | 141.2 | 12.011 | 35.410 | 4.25 | 0.12 | 26.906 | 0.280 | 1500. | 2.7 |
| 141 | 142.0 | 11.981 | 35.407 | 4.25 | 0.12 | 26.909 | 0.281 | 1500. | 2.8 |
| 142 | 143.0 | 11.951 | 35.403 | 4.25 | 0.12 | 26.913 | 0.282 | 1499. | 2.9 |
| 143 | 144.0 | 11.933 | 35.403 | 4.26 | 0.12 | 26.916 | 0.284 | 1499. | 2.9 |
| 144 | 145.0 | 11.920 | 35.404 | 4.25 | 0.12 | 26.919 | 0.285 | 1499. | 2.7 |
| 145 | 146.0 | 11.915 | 35.404 | 4.24 | 0.12 | 26.920 | 0.286 | 1499. | 2.4 |
| 146 | 147.0 | 11.907 | 35.405 | 4.21 | 0.12 | 26.922 | 0.287 | 1499. | 2.4 |
| 147 | 148.0 | 11.903 | 35.405 | 4.19 | 0.12 | 26.923 | 0.288 | 1499. | 2.6 |
| 148 | 149.0 | 11.900 | 35.403 | 4.16 | 0.13 | 26.922 | 0.289 | 1499. | 2.9 |
| 149 | 150.0 | 11.874 | 35.400 | 4.11 | 0.13 | 26.925 | 0.291 | 1499. | 2.9 |
| 150 | 151.0 | 11.834 | 35.397 | 4.06 | 0.13 | 26.930 | 0.292 | 1499. | 2.9 |
| 151 | 152.1 | 11.798 | 35.397 | 4.06 | 0.13 | 26.937 | 0.293 | 1499. | 2.9 |
| 152 | 152.8 | 11.782 | 35.397 | 4.15 | 0.13 | 26.940 | 0.294 | 1499. | 2.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 6 | 12 JUL 1982 | 1020 | 40°40.5'N | 67°40.5'W | 78 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 4.0 | 17.687 | 34.127 | 5.86 | 0.19 | 24.681 | 0.000 | 1514. | 16.5 |
| 6 | 6.0 | 17.773 | 34.167 | 5.86 | 0.20 | 24.690 | 0.007 | 1514. | 16.5 |
| 8 | 7.9 | 17.310 | 34.108 | 5.94 | 0.20 | 24.757 | 0.013 | 1513. | 16.5 |
| 10 | 10.0 | 17.104 | 34.207 | 5.89 | 0.23 | 24.882 | 0.019 | 1512. | 16.5 |
| 12 | 12.0 | 16.225 | 34.305 | 5.81 | 0.28 | 25.163 | 0.025 | 1510. | 16.5 |
| 14 | 14.0 | 13.799 | 34.154 | 6.06 | 0.31 | 25.576 | 0.030 | 1502. | 16.2 |
| 16 | 16.0 | 12.480 | 34.008 | 6.25 | 0.27 | 25.727 | 0.035 | 1498. | 15.1 |
| 18 | 18.0 | 12.153 | 33.988 | 6.25 | 0.26 | 25.775 | 0.040 | 1496. | 13.2 |
| 20 | 19.9 | 12.147 | 34.009 | 6.11 | 0.26 | 25.792 | 0.044 | 1496. | 10.4 |
| 22 | 22.1 | 12.244 | 34.057 | 5.97 | 0.26 | 25.811 | 0.048 | 1497. | 7.3 |
| 24 | 24.0 | 12.069 | 34.080 | 5.90 | 0.26 | 25.862 | 0.053 | 1496. | 5.8 |
| 26 | 26.0 | 12.089 | 34.108 | 5.83 | 0.25 | 25.880 | 0.057 | 1496. | 5.0 |
| 28 | 28.0 | 12.196 | 34.141 | 5.78 | 0.24 | 25.885 | 0.061 | 1497. | 4.4 |
| 30 | 30.0 | 12.250 | 34.161 | 5.75 | 0.24 | 25.890 | 0.065 | 1497. | 8.5 |
| 32 | 32.0 | 12.271 | 34.170 | 5.74 | 0.23 | 25.893 | 0.070 | 1497. | 2.3 |
| 34 | 33.9 | 12.283 | 34.174 | 5.71 | 0.23 | 25.894 | 0.074 | 1497. | 1.7 |
| 36 | 36.0 | 12.288 | 34.175 | 5.70 | 0.23 | 25.894 | 0.078 | 1497. | 1.4 |
| 38 | 38.0 | 12.294 | 34.178 | 5.69 | 0.23 | 25.895 | 0.082 | 1497. | 1.7 |
| 40 | 40.0 | 12.308 | 34.182 | 5.69 | 0.23 | 25.895 | 0.086 | 1498. | 2.2 |
| 42 | 41.9 | 12.309 | 34.183 | 5.66 | 0.23 | 25.896 | 0.090 | 1498. | 3.0 |
| 44 | 44.0 | 12.315 | 34.187 | 5.62 | 0.23 | 25.898 | 0.095 | 1498. | 3.5 |
| 46 | 46.1 | 12.401 | 34.226 | 5.58 | 0.23 | 25.912 | 0.099 | 1498. | 3.8 |
| 48 | 48.0 | 12.576 | 34.286 | 5.52 | 0.23 | 25.924 | 0.103 | 1499. | 3.9 |
| 50 | 50.0 | 12.893 | 34.399 | 5.45 | 0.24 | 25.949 | 0.107 | 1500. | 3.8 |
| 52 | 51.9 | 12.979 | 34.428 | 5.41 | 0.24 | 25.954 | 0.111 | 1500. | 3.5 |
| 54 | 54.0 | 13.014 | 34.440 | 5.39 | 0.24 | 25.957 | 0.116 | 1500. | 3.0 |
| 56 | 56.0 | 13.026 | 34.445 | 5.39 | 0.24 | 25.958 | 0.120 | 1501. | 2.5 |
| 58 | 58.0 | 13.032 | 34.448 | 5.37 | 0.25 | 25.959 | 0.124 | 1501. | 1.7 |
| 60 | 60.1 | 13.046 | 34.454 | 5.37 | 0.25 | 25.962 | 0.128 | 1501. | 1.5 |
| 61 | 61.2 | 13.051 | 34.457 | 5.35 | 0.25 | 25.962 | 0.130 | 1501. | 1.5 |
| 62 | 62.0 | 13.051 | 34.457 | 5.35 | 0.25 | 25.962 | 0.132 | 1501. | 1.5 |
| 63 | 63.0 | 13.052 | 34.457 | 5.36 | 0.25 | 25.962 | 0.134 | 1501. | 1.5 |
| 63 | 64.0 | 13.055 | 34.458 | 5.37 | 0.25 | 25.963 | 0.136 | 1501. | 1.4 |
| 64 | 65.0 | 13.062 | 34.463 | 5.36 | 0.25 | 25.965 | 0.138 | 1501. | 1.4 |
| 65 | 66.0 | 13.065 | 34.464 | 5.35 | 0.25 | 25.965 | 0.140 | 1501. | 1.4 |
| 66 | 67.0 | 13.065 | 34.464 | 5.35 | 0.25 | 25.965 | 0.142 | 1501. | 1.3 |
| 67 | 68.0 | 13.068 | 34.466 | 5.34 | 0.25 | 25.966 | 0.144 | 1501. | 1.2 |
| 68 | 69.0 | 13.069 | 34.466 | 5.34 | 0.26 | 25.966 | 0.146 | 1501. | 0.9 |
| 69 | 70.0 | 13.070 | 34.467 | 5.35 | 0.25 | 25.966 | 0.148 | 1501. | 0.7 |
| 70 | 71.0 | 13.071 | 34.467 | 5.36 | 0.25 | 25.967 | 0.150 | 1501. | 0.5 |
| 71 | 71.9 | 13.072 | 34.468 | 5.33 | 0.25 | 25.967 | 0.152 | 1501. | 0.2 |
| 72 | 72.9 | 13.072 | 34.467 | 5.30 | 0.25 | 25.966 | 0.154 | 1501. | -0.3 |
| 73 | 74.0 | 13.072 | 34.467 | 5.28 | 0.25 | 25.966 | 0.156 | 1501. | -0.3 |
| 74 | 75.0 | 13.070 | 34.466 | 5.23 | 0.25 | 25.966 | 0.159 | 1501. | -0.4 |
| 75 | 76.0 | 13.070 | 34.467 | 5.18 | 0.25 | 25.966 | 0.161 | 1501. | -0.4 |
| 76 | 77.0 | 13.071 | 34.467 | 5.12 | 0.25 | 25.966 | 0.163 | 1501. | -0.4 |
| 77 | 78.1 | 13.071 | 34.467 | 5.10 | 0.25 | 25.966 | 0.165 | 1501. | -0.4 |
| 78 | 78.6 | 13.071 | 34.466 | 5.18 | 0.24 | 25.966 | 0.166 | 1501. | -0.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 7 | 12 JUL 1982 | 1115 | 40°36.7'N | 67°38.7'W | 85 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 2.6 | 17.967 | 33.896 | 6.12 | 0.18 | 24.436 | 0.000 | 1514. | 9.2 |
| 4 | 4.0 | 17.811 | 33.934 | 6.12 | 0.18 | 24.503 | 0.005 | 1514. | 9.2 |
| 6 | 6.0 | 17.576 | 33.903 | 6.17 | 0.19 | 24.536 | 0.012 | 1513. | 9.2 |
| 8 | 7.8 | 17.182 | 33.875 | 6.18 | 0.20 | 24.609 | 0.018 | 1512. | 9.2 |
| 10 | 10.0 | 17.450 | 34.144 | 6.06 | 0.20 | 24.751 | 0.025 | 1513. | 9.2 |
| 12 | 11.9 | 17.624 | 34.223 | 5.95 | 0.20 | 24.769 | 0.031 | 1514. | 8.3 |
| 14 | 14.1 | 17.704 | 34.274 | 5.93 | 0.20 | 24.790 | 0.038 | 1514. | 7.4 |
| 16 | 16.0 | 17.839 | 34.349 | 5.81 | 0.19 | 24.814 | 0.044 | 1515. | 6.2 |
| 18 | 18.0 | 17.927 | 34.386 | 5.77 | 0.20 | 24.821 | 0.050 | 1515. | 5.0 |
| 20 | 20.0 | 18.006 | 34.423 | 5.69 | 0.20 | 24.830 | 0.056 | 1515. | 5.9 |
| 22 | 22.0 | 18.083 | 34.464 | 5.70 | 0.20 | 24.842 | 0.063 | 1516. | 6.9 |
| 24 | 24.1 | 18.216 | 34.536 | 5.62 | 0.19 | 24.864 | 0.069 | 1516. | 7.6 |
| 26 | 25.9 | 18.385 | 34.620 | 5.61 | 0.19 | 24.887 | 0.075 | 1517. | 8.1 |
| 28 | 27.9 | 18.595 | 34.826 | 5.54 | 0.18 | 24.992 | 0.081 | 1518. | 8.5 |
| 30 | 29.9 | 18.634 | 34.933 | 5.48 | 0.18 | 25.064 | 0.087 | 1518. | 8.6 |
| 32 | 32.1 | 18.639 | 34.967 | 5.45 | 0.18 | 25.089 | 0.093 | 1518. | 8.5 |
| 34 | 34.0 | 18.596 | 34.974 | 5.45 | 0.18 | 25.105 | 0.098 | 1518. | 8.4 |
| 36 | 36.0 | 18.464 | 34.999 | 5.46 | 0.19 | 25.157 | 0.104 | 1518. | 8.1 |
| 38 | 38.0 | 18.295 | 34.989 | 5.53 | 0.18 | 25.191 | 0.110 | 1517. | 8.1 |
| 40 | 40.0 | 18.130 | 34.980 | 5.54 | 0.18 | 25.226 | 0.115 | 1517. | 8.1 |
| 42 | 42.0 | 17.952 | 35.026 | 5.56 | 0.18 | 25.305 | 0.121 | 1516. | 8.0 |
| 44 | 44.0 | 17.928 | 35.071 | 5.56 | 0.18 | 25.346 | 0.126 | 1516. | 7.7 |
| 46 | 46.1 | 17.982 | 35.128 | 5.53 | 0.17 | 25.376 | 0.131 | 1517. | 7.5 |
| 48 | 48.0 | 18.008 | 35.151 | 5.50 | 0.17 | 25.387 | 0.136 | 1517. | 7.7 |
| 50 | 50.0 | 17.969 | 35.177 | 5.49 | 0.17 | 25.417 | 0.141 | 1517. | 7.6 |
| 52 | 52.1 | 17.610 | 35.105 | 5.57 | 0.18 | 25.449 | 0.147 | 1516. | 8.1 |
| 54 | 54.0 | 16.923 | 34.951 | 5.68 | 0.20 | 25.496 | 0.152 | 1513. | 8.9 |
| 56 | 55.9 | 16.196 | 34.833 | 5.77 | 0.24 | 25.575 | 0.156 | 1511. | 9.5 |
| 58 | 58.1 | 14.987 | 34.512 | 5.98 | 0.22 | 25.600 | 0.162 | 1507. | 10.2 |
| 60 | 60.0 | 13.439 | 34.200 | 6.23 | 0.22 | 25.685 | 0.166 | 1502. | 10.4 |
| 61 | 62.0 | 12.581 | 34.096 | 6.35 | 0.21 | 25.776 | 0.171 | 1499. | 10.2 |
| 63 | 64.0 | 11.470 | 33.888 | 6.58 | 0.21 | 25.825 | 0.175 | 1495. | 9.9 |
| 65 | 65.9 | 10.822 | 33.878 | 6.46 | 0.20 | 25.934 | 0.179 | 1492. | 9.7 |
| 68 | 68.0 | 10.553 | 33.854 | 6.37 | 0.19 | 25.963 | 0.183 | 1492. | 9.0 |
| 69 | 70.0 | 10.293 | 33.823 | 6.29 | 0.19 | 25.983 | 0.187 | 1491. | 8.2 |
| 71 | 71.3 | 9.991 | 33.786 | 6.32 | 0.18 | 26.006 | 0.190 | 1489. | 7.6 |
| 71 | 72.0 | 9.883 | 33.771 | 6.30 | 0.18 | 26.012 | 0.191 | 1489. | 7.2 |
| 72 | 73.0 | 9.756 | 33.753 | 6.37 | 0.18 | 26.020 | 0.194 | 1489. | 8.0 |
| 73 | 74.0 | 9.733 | 33.767 | 6.37 | 0.18 | 26.034 | 0.195 | 1489. | 7.9 |
| 74 | 75.0 | 9.820 | 33.824 | 6.30 | 0.18 | 26.064 | 0.197 | 1489. | 7.8 |
| 75 | 76.0 | 10.193 | 33.977 | 6.14 | 0.19 | 26.120 | 0.199 | 1491. | 8.6 |
| 76 | 77.0 | 10.677 | 34.128 | 6.04 | 0.17 | 26.155 | 0.201 | 1492. | 8.8 |
| 77 | 78.0 | 11.558 | 34.266 | 5.81 | 0.17 | 26.102 | 0.203 | 1496. | 8.8 |
| 78 | 79.0 | 12.330 | 34.501 | 5.54 | 0.18 | 26.139 | 0.205 | 1499. | 8.8 |
| 79 | 80.0 | 12.534 | 34.664 | 5.43 | 0.18 | 26.226 | 0.207 | 1500. | 8.8 |
| 80 | 81.0 | 12.573 | 34.668 | 5.34 | 0.18 | 26.221 | 0.209 | 1500. | 8.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 8 | 12 JUL 1982 | 1205 | 40°32.5'N | 67°36.7'W | 123 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.5 | 21.543 | 34.943 | 4.97 | 0.18 | 24.303 | 0.000 | 1526. | 13.5 |
| 4 | 4.0 | 21.273 | 34.976 | 5.03 | 0.19 | 24.403 | 0.005 | 1525. | 13.5 |
| 6 | 6.0 | 21.228 | 35.170 | 5.01 | 0.21 | 24.562 | 0.012 | 1525. | 13.5 |
| 8 | 8.0 | 21.332 | 35.282 | 5.04 | 0.22 | 24.619 | 0.019 | 1526. | 13.5 |
| 10 | 10.0 | 21.309 | 35.345 | 5.05 | 0.22 | 24.673 | 0.025 | 1526. | 13.5 |
| 12 | 12.0 | 21.242 | 35.441 | 5.08 | 0.22 | 24.765 | 0.032 | 1526. | 13.0 |
| 14 | 14.0 | 20.333 | 35.371 | 5.15 | 0.22 | 24.958 | 0.038 | 1523. | 12.4 |
| 16 | 16.0 | 19.236 | 35.284 | 5.34 | 0.20 | 25.178 | 0.044 | 1520. | 11.9 |
| 18 | 17.9 | 19.155 | 35.273 | 5.33 | 0.20 | 25.191 | 0.049 | 1520. | 11.1 |
| 20 | 20.1 | 19.133 | 35.276 | 5.30 | 0.21 | 25.199 | 0.055 | 1520. | 10.3 |
| 22 | 22.0 | 19.032 | 35.266 | 5.27 | 0.20 | 25.217 | 0.060 | 1519. | 9.8 |
| 24 | 24.1 | 18.682 | 35.230 | 5.28 | 0.20 | 25.279 | 0.066 | 1518. | 9.8 |
| 26 | 25.9 | 18.391 | 35.185 | 5.39 | 0.20 | 25.317 | 0.071 | 1518. | 10.5 |
| 28 | 28.2 | 17.762 | 35.145 | 5.41 | 0.21 | 25.443 | 0.077 | 1516. | 10.8 |
| 30 | 30.0 | 16.664 | 34.986 | 5.61 | 0.22 | 25.584 | 0.082 | 1512. | 10.6 |
| 32 | 32.0 | 16.417 | 35.001 | 5.61 | 0.20 | 25.653 | 0.086 | 1512. | 10.6 |
| 34 | 34.0 | 16.138 | 34.958 | 5.63 | 0.19 | 25.684 | 0.091 | 1511. | 10.6 |
| 36 | 36.0 | 15.855 | 34.883 | 5.61 | 0.18 | 25.691 | 0.095 | 1510. | 10.3 |
| 38 | 38.0 | 15.418 | 34.803 | 5.54 | 0.18 | 25.728 | 0.100 | 1508. | 10.0 |
| 40 | 40.0 | 15.606 | 35.065 | 5.35 | 0.18 | 25.888 | 0.104 | 1509. | 9.9 |
| 42 | 42.0 | 15.402 | 35.104 | 5.26 | 0.15 | 25.964 | 0.109 | 1509. | 9.8 |
| 44 | 44.0 | 15.105 | 35.108 | 5.25 | 0.15 | 26.033 | 0.113 | 1508. | 9.5 |
| 46 | 45.9 | 15.052 | 35.125 | 5.18 | 0.15 | 26.058 | 0.116 | 1508. | 8.7 |
| 48 | 48.1 | 14.969 | 35.121 | 5.14 | 0.15 | 26.073 | 0.121 | 1508. | 7.5 |
| 50 | 50.0 | 14.581 | 35.057 | 5.14 | 0.15 | 26.108 | 0.124 | 1506. | 6.8 |
| 52 | 52.0 | 14.313 | 35.028 | 5.12 | 0.14 | 26.143 | 0.128 | 1505. | 6.3 |
| 54 | 53.9 | 14.179 | 35.019 | 5.07 | 0.14 | 26.165 | 0.132 | 1505. | 6.2 |
| 56 | 56.1 | 14.038 | 35.028 | 5.07 | 0.14 | 26.201 | 0.136 | 1505. | 6.0 |
| 58 | 58.0 | 14.043 | 35.038 | 5.02 | 0.13 | 26.208 | 0.139 | 1505. | 5.5 |
| 59 | 59.9 | 14.045 | 35.056 | 4.97 | 0.13 | 26.222 | 0.143 | 1505. | 5.0 |
| 62 | 62.0 | 14.015 | 35.079 | 4.93 | 0.14 | 26.246 | 0.146 | 1505. | 4.5 |
| 64 | 64.1 | 13.958 | 35.083 | 4.94 | 0.14 | 26.261 | 0.150 | 1504. | 4.2 |
| 66 | 66.0 | 13.928 | 35.080 | 4.94 | 0.13 | 26.265 | 0.153 | 1504. | 4.3 |
| 67 | 68.0 | 13.904 | 35.077 | 4.93 | 0.14 | 26.268 | 0.157 | 1504. | 4.1 |
| 69 | 70.0 | 13.852 | 35.068 | 4.90 | 0.13 | 26.271 | 0.160 | 1504. | 3.8 |
| 71 | 72.0 | 13.712 | 35.060 | 4.89 | 0.14 | 26.294 | 0.164 | 1504. | 3.8 |
| 73 | 74.0 | 13.630 | 35.057 | 4.87 | 0.13 | 26.309 | 0.167 | 1504. | 4.0 |
| 75 | 76.0 | 13.608 | 35.055 | 4.85 | 0.13 | 26.312 | 0.171 | 1504. | 4.1 |
| 77 | 78.0 | 13.584 | 35.054 | 4.84 | 0.14 | 26.317 | 0.174 | 1503. | 4.2 |
| 79 | 80.0 | 13.532 | 35.054 | 4.82 | 0.13 | 26.3[illegible]7 | 0.178 | 1503. | 4.3 |
| 81 | 82.0 | 13.467 | 35.055 | 4.81 | 0.13 | 26.342 | 0.181 | 1503. | 5.1 |
| 83 | 84.0 | 13.485 | 35.081 | 4.76 | 0.14 | 26.358 | 0.184 | 1503. | 5.8 |
| 85 | 86.0 | 13.520 | 35.108 | 4.69 | 0.14 | 26.371 | 0.188 | 1503. | 6.2 |
| 87 | 87.9 | 13.430 | 35.110 | 4.70 | 0.14 | 26.391 | 0.191 | 1503. | 6.5 |
| 89 | 90.0 | 13.234 | 35.140 | 4.66 | 0.15 | 26.455 | 0.194 | 1503. | 6.5 |
| 91 | 92.0 | 13.160 | 35.156 | 4.65 | 0.15 | 26.482 | 0.198 | 1502. | 6.5 |
| 93 | 93.9 | 13.094 | 35.161 | 4.63 | 0.16 | 26.500 | 0.201 | 1502. | 6.4 |
| 95 | 96.0 | 13.006 | 35.167 | 4.61 | 0.16 | 26.522 | 0.204 | 1502. | 6.1 |
| 97 | 98.0 | 12.943 | 35.171 | 4.56 | 0.17 | 26.537 | 0.207 | 1502. | 5.7 |
| 99 | 100.0 | 12.885 | 35.178 | 4.54 | 0.18 | 26.554 | 0.210 | 1502. | 5.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 8 | 12 JUL 1982 | 1205 | 40°32.5'N | 67°36.7'W | 123 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 12.826 | 35.195 | 4.55 | 0.17 | 26.580 | 0.213 | 1502. | 5.5 |
| 103 | 104.0 | 12.761 | 35.211 | 4.52 | 0.17 | 26.605 | 0.216 | 1501. | 5.2 |
| 105 | 106.0 | 12.700 | 35.218 | 4.50 | 0.16 | 26.623 | 0.218 | 1501. | 4.8 |
| 107 | 108.1 | 12.646 | 35.226 | 4.52 | 0.17 | 26.639 | 0.221 | 1501. | 4.2 |
| 109 | 109.9 | 12.633 | 35.227 | 4.50 | 0.18 | 26.643 | 0.224 | 1501. | 3.4 |
| 111 | 112.1 | 12.627 | 35.227 | 4.51 | 0.18 | 26.644 | 0.227 | 1501. | 2.6 |
| 113 | 114.0 | 12.619 | 35.227 | 4.48 | 0.18 | 26.646 | 0.230 | 1501. | 1.8 |
| 115 | 116.0 | 12.620 | 35.227 | 4.47 | 0.18 | 26.645 | 0.233 | 1501. | 1.2 |
| 117 | 117.9 | 12.620 | 35.226 | 4.48 | 0.18 | 26.645 | 0.235 | 1501. | 1.0 |
| 119 | 120.1 | 12.617 | 35.227 | 4.43 | 0.18 | 26.646 | 0.239 | 1501. | 0.9 |
| 120 | 121.3 | 12.613 | 35.225 | 4.45 | 0.18 | 26.645 | 0.240 | 1501. | 0.9 |
| 121 | 122.0 | 12.608 | 35.226 | 4.40 | 0.19 | 26.647 | 0.241 | 1501. | 0.9 |
| 122 | 123.0 | 12.605 | 35.226 | 4.38 | 0.19 | 26.647 | 0.243 | 1501. | 0.9 |
| 123 | 123.6 | 12.604 | 35.225 | 4.37 | 0.19 | 26.647 | 0.244 | 1501. | 0.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 9 | 12 JUL 1982 | 1254 | 40°27.8'N | 67°35.0'W | 138 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.0 | 22.589 | 35.355 | 4.94 | 0.21 | 24.322 | 0.000 | 1529. | 8.7 |
| 4 | 3.9 | 22.545 | 35.357 | 4.96 | 0.21 | 24.336 | 0.007 | 1529. | 8.7 |
| 6 | 6.1 | 22.487 | 35.350 | 4.97 | 0.21 | 24.347 | 0.015 | 1529. | 8.7 |
| 8 | 7.9 | 22.388 | 35.350 | 5.00 | 0.21 | 24.376 | 0.021 | 1528. | 8.7 |
| 10 | 10.0 | 22.020 | 35.331 | 5.02 | 0.22 | 24.465 | 0.029 | 1527. | 8.7 |
| 12 | 12.0 | 21.726 | 35.346 | 5.13 | 0.23 | 24.559 | 0.035 | 1527. | 8.8 |
| 14 | 14.0 | 21.667 | 35.389 | 5.12 | 0.24 | 24.608 | 0.042 | 1527. | 8.7 |
| 16 | 16.0 | 21.647 | 35.408 | 5.16 | 0.24 | 24.628 | 0.049 | 1527. | 8.2 |
| 18 | 18.0 | 21.604 | 35.422 | 5.18 | 0.24 | 24.650 | 0.055 | 1527. | 7.6 |
| 20 | 19.9 | 21.551 | 35.440 | 5.19 | 0.24 | 24.679 | 0.061 | 1526. | 7.3 |
| 22 | 22.0 | 21.469 | 35.467 | 5.19 | 0.23 | 24.722 | 0.068 | 1526. | 7.9 |
| 24 | 24.0 | 21.386 | 35.480 | 5.19 | 0.23 | 24.755 | 0.075 | 1526. | 9.1 |
| 26 | 26.1 | 21.257 | 35.487 | 5.19 | 0.23 | 24.796 | 0.081 | 1526. | 10.4 |
| 28 | 28.0 | 21.116 | 35.502 | 5.22 | 0.23 | 24.846 | 0.087 | 1526. | 11.4 |
| 30 | 30.0 | 20.795 | 35.521 | 5.26 | 0.23 | 24.948 | 0.094 | 1525. | 12.0 |
| 32 | 32.0 | 20.348 | 35.550 | 5.31 | 0.24 | 25.090 | 0.099 | 1524. | 12.2 |
| 34 | 34.0 | 19.867 | 35.578 | 5.38 | 0.25 | 25.239 | 0.105 | 1522. | 12.2 |
| 36 | 36.0 | 19.548 | 35.587 | 5.41 | 0.26 | 25.330 | 0.110 | 1521. | 12.0 |
| 38 | 38.0 | 19.384 | 35.594 | 5.41 | 0.27 | 25.378 | 0.116 | 1521. | 11.5 |
| 40 | 40.0 | 19.243 | 35.597 | 5.42 | 0.28 | 25.416 | 0.121 | 1521. | 10.7 |
| 42 | 42.0 | 18.901 | 35.598 | 5.46 | 0.31 | 25.505 | 0.126 | 1520. | 9.8 |
| 44 | 44.0 | 18.561 | 35.601 | 5.48 | 0.32 | 25.594 | 0.131 | 1519. | 9.2 |
| 46 | 46.0 | 18.279 | 35.599 | 5.47 | 0.32 | 25.663 | 0.135 | 1518. | 8.7 |
| 48 | 48.0 | 18.162 | 35.597 | 5.42 | 0.32 | 25.690 | 0.140 | 1518. | 8.3 |
| 50 | 50.0 | 18.121 | 35.597 | 5.38 | 0.33 | 25.700 | 0.145 | 1518. | 7.8 |
| 52 | 52.0 | 18.061 | 35.596 | 5.35 | 0.31 | 25.714 | 0.149 | 1517. | 7.7 |
| 54 | 54.0 | 17.917 | 35.583 | 5.34 | 0.30 | 25.740 | 0.154 | 1517. | 8.4 |
| 56 | 56.0 | 17.444 | 35.538 | 5.35 | 0.27 | 25.821 | 0.158 | 1516. | 9.4 |
| 57 | 58.0 | 17.189 | 35.520 | 5.26 | 0.25 | 25.869 | 0.162 | 1515. | 10.0 |
| 60 | 60.1 | 16.765 | 35.456 | 5.27 | 0.23 | 25.921 | 0.167 | 1514. | 10.3 |
| 61 | 62.0 | 16.020 | 35.387 | 5.27 | 0.20 | 26.042 | 0.171 | 1511. | 10.2 |
| 63 | 64.0 | 15.549 | 35.361 | 5.19 | 0.18 | 26.129 | 0.175 | 1510. | 9.6 |
| 66 | 66.1 | 15.419 | 35.363 | 5.11 | 0.17 | 26.160 | 0.179 | 1509. | 8.9 |
| 67 | 68.0 | 15.239 | 35.362 | 5.09 | 0.16 | 26.199 | 0.182 | 1509. | 8.0 |
| 69 | 70.0 | 15.016 | 35.354 | 5.05 | 0.15 | 26.242 | 0.186 | 1508. | 7.2 |
| 71 | 72.0 | 14.985 | 35.357 | 5.01 | 0.15 | 26.252 | 0.189 | 1508. | 6.8 |
| 73 | 74.0 | 14.971 | 35.356 | 4.98 | 0.14 | 26.254 | 0.193 | 1508. | 6.8 |
| 75 | 76.0 | 14.626 | 35.303 | 5.02 | 0.14 | 26.288 | 0.196 | 1507. | 6.7 |
| 77 | 78.0 | 13.996 | 35.212 | 5.05 | 0.12 | 26.353 | 0.200 | 1505. | 6.8 |
| 79 | 80.0 | 13.876 | 35.208 | 4.99 | 0.12 | 26.375 | 0.203 | 1505. | 7.0 |
| 81 | 82.0 | 13.791 | 35.206 | 4.98 | 0.12 | 26.391 | 0.206 | 1504. | 7.0 |
| 83 | 84.0 | 13.660 | 35.217 | 4.96 | 0.12 | 26.427 | 0.210 | 1504. | 6.8 |
| 85 | 86.0 | 13.671 | 35.254 | 4.92 | 0.12 | 26.453 | 0.213 | 1504. | 6.6 |
| 87 | 88.0 | 13.596 | 35.271 | 4.88 | 0.11 | 26.482 | 0.216 | 1504. | 6.6 |
| 89 | 90.0 | 13.534 | 35.286 | 4.87 | 0.11 | 26.507 | 0.219 | 1504. | 6.3 |
| 91 | 92.0 | 13.537 | 35.334 | 4.83 | 0.11 | 26.543 | 0.222 | 1504. | 5.8 |
| 93 | 94.0 | 13.703 | 35.413 | 4.76 | 0.11 | 26.569 | 0.225 | 1505. | 5.3 |
| 95 | 95.9 | 13.916 | 35.483 | 4.75 | 0.10 | 26.579 | 0.228 | 1505. | 4.8 |
| 97 | 98.0 | 13.936 | 35.493 | 4.71 | 0.10 | 26.582 | 0.231 | 1505. | 4.4 |
| 99 | 100.0 | 13.916 | 35.497 | 4.74 | 0.10 | 26.590 | 0.234 | 1505. | 4.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 9 | 12 JUL 1982 | 1254 | 40°27.8'N | 67°35.0'W | 138 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 101.9 | 13.905 | 35.502 | 4.76 | 0.10 | 26.596 | 0.237 | 1505. | 4.0 |
| 103 | 104.0 | 13.857 | 35.502 | 4.69 | 0.10 | 26.606 | 0.240 | 1505. | 4.1 |
| 105 | 106.0 | 13.798 | 35.509 | 4.71 | 0.10 | 26.624 | 0.243 | 1505. | 4.3 |
| 107 | 108.0 | 13.793 | 35.529 | 4.70 | 0.09 | 26.641 | 0.246 | 1505. | 4.4 |
| 109 | 110.0 | 13.775 | 35.535 | 4.66 | 0.09 | 26.649 | 0.249 | 1505. | 4.5 |
| 111 | 112.0 | 13.718 | 35.526 | 4.68 | 0.09 | 26.654 | 0.251 | 1505. | 4.6 |
| 113 | 114.0 | 13.432 | 35.475 | 4.67 | 0.09 | 26.673 | 0.254 | 1504. | 4.6 |
| 115 | 116.0 | 13.089 | 35.395 | 4.65 | 0.10 | 26.682 | 0.257 | 1503. | 4.8 |
| 117 | 118.0 | 13.002 | 35.401 | 4.60 | 0.10 | 26.703 | 0.260 | 1503. | 4.9 |
| 119 | 120.0 | 12.804 | 35.364 | 4.58 | 0.11 | 26.715 | 0.262 | 1502. | 5.0 |
| 120 | 121.3 | 12.693 | 35.353 | 4.56 | 0.11 | 26.728 | 0.264 | 1502. | 4.8 |
| 121 | 122.0 | 12.675 | 35.357 | 4.53 | 0.11 | 26.735 | 0.265 | 1502. | 5.1 |
| 122 | 123.0 | 12.652 | 35.355 | 4.52 | 0.11 | 26.738 | 0.266 | 1501. | 5.5 |
| 123 | 124.0 | 12.623 | 35.352 | 4.52 | 0.11 | 26.742 | 0.268 | 1501. | 6.0 |
| 124 | 125.0 | 12.575 | 35.348 | 4.51 | 0.11 | 26.748 | 0.269 | 1501. | 6.1 |
| 125 | 126.0 | 12.399 | 35.336 | 4.52 | 0.12 | 26.773 | 0.270 | 1501. | 6.1 |
| 126 | 127.0 | 12.308 | 35.345 | 4.52 | 0.12 | 26.798 | 0.272 | 1500. | 6.0 |
| 127 | 128.0 | 12.294 | 35.351 | 4.49 | 0.12 | 26.805 | 0.273 | 1500. | 5.5 |
| 128 | 129.1 | 12.286 | 35.353 | 4.46 | 0.12 | 26.809 | 0.274 | 1500. | 4.9 |
| 129 | 130.0 | 12.274 | 35.357 | 4.49 | 0.12 | 26.814 | 0.275 | 1500. | 3.8 |
| 130 | 131.0 | 12.275 | 35.357 | 4.44 | 0.12 | 26.814 | 0.277 | 1500. | 3.0 |
| 131 | 132.0 | 12.274 | 35.357 | 4.43 | 0.12 | 26.814 | 0.278 | 1500. | 2.7 |
| 132 | 133.0 | 12.265 | 35.360 | 4.44 | 0.12 | 26.818 | 0.279 | 1500. | 2.5 |
| 133 | 134.0 | 12.261 | 35.363 | 4.45 | 0.12 | 26.821 | 0.280 | 1500. | 2.5 |
| 134 | 135.0 | 12.259 | 35.365 | 4.46 | 0.12 | 26.823 | 0.282 | 1500. | 2.5 |
| 135 | 136.1 | 12.258 | 35.365 | 4.42 | 0.12 | 26.824 | 0.283 | 1500. | 2.5 |
| 135 | 136.6 | 12.259 | 35.365 | 4.37 | 0.13 | 26.823 | 0.284 | 1500. | 2.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 10 | 12 JUL 1982 | 1344 | 40°23.1'N | 67°32.9'W | 235 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.3 | 23.921 | 35.221 | 4.79 | 0.19 | 23.834 | 0.000 | 1532. | 7.9 |
| 4 | 4.0 | 23.912 | 35.220 | 4.87 | 0.18 | 23.836 | 0.007 | 1532. | 7.9 |
| 6 | 5.9 | 23.914 | 35.219 | 4.91 | 0.18 | 23.835 | 0.014 | 1532. | 7.9 |
| 8 | 8.0 | 23.836 | 35.229 | 4.92 | 0.16 | 23.865 | 0.023 | 1532. | 7.9 |
| 10 | 10.0 | 23.750 | 35.243 | 4.92 | 0.16 | 23.901 | 0.031 | 1532. | 7.9 |
| 12 | 12.0 | 23.533 | 35.286 | 4.98 | 0.16 | 23.997 | 0.039 | 1531. | 8.3 |
| 14 | 14.0 | 23.328 | 35.295 | 5.02 | 0.16 | 24.064 | 0.047 | 1531. | 8.9 |
| 16 | 16.1 | 23.244 | 35.277 | 5.04 | 0.17 | 24.075 | 0.055 | 1531. | 9.5 |
| 18 | 18.0 | 23.026 | 35.215 | 5.07 | 0.17 | 24.091 | 0.062 | 1530. | 10.1 |
| 20 | 20.0 | 22.532 | 35.111 | 5.14 | 0.17 | 24.153 | 0.070 | 1529. | 10.4 |
| 22 | 22.0 | 22.017 | 35.059 | 5.22 | 0.17 | 24.260 | 0.077 | 1527. | 11.2 |
| 24 | 24.0 | 21.547 | 35.016 | 5.28 | 0.17 | 24.358 | 0.084 | 1526. | 12.1 |
| 26 | 26.1 | 21.067 | 34.993 | 5.35 | 0.18 | 24.471 | 0.092 | 1525. | 12.8 |
| 28 | 28.0 | 20.654 | 34.930 | 5.39 | 0.18 | 24.536 | 0.098 | 1524. | 13.5 |
| 30 | 29.9 | 20.085 | 34.905 | 5.46 | 0.18 | 24.668 | 0.105 | 1522. | 14.2 |
| 32 | 32.0 | 19.557 | 34.869 | 5.49 | 0.19 | 24.779 | 0.111 | 1521. | 14.8 |
| 34 | 33.9 | 18.929 | 34.848 | 5.53 | 0.21 | 24.924 | 0.117 | 1519. | 15.0 |
| 36 | 36.1 | 18.134 | 34.834 | 5.60 | 0.24 | 25.113 | 0.124 | 1517. | 14.9 |
| 38 | 37.9 | 17.624 | 34.924 | 5.63 | 0.30 | 25.307 | 0.129 | 1515. | 14.6 |
| 40 | 40.0 | 17.126 | 34.944 | 5.63 | 0.33 | 25.442 | 0.134 | 1514. | 14.0 |
| 42 | 42.0 | 17.028 | 35.013 | 5.55 | 0.40 | 25.518 | 0.139 | 1514. | 13.1 |
| 44 | 44.0 | 17.040 | 35.113 | 5.38 | 0.49 | 25.592 | 0.144 | 1514. | 12.1 |
| 46 | 45.9 | 16.972 | 35.223 | 5.22 | 0.55 | 25.693 | 0.148 | 1514. | 11.2 |
| 48 | 48.0 | 17.000 | 35.324 | 5.05 | 0.49 | 25.764 | 0.153 | 1514. | 10.4 |
| 50 | 50.1 | 16.983 | 35.406 | 4.92 | 0.36 | 25.831 | 0.158 | 1514. | 9.6 |
| 52 | 52.0 | 17.148 | 35.570 | 4.84 | 0.28 | 25.917 | 0.162 | 1515. | 8.8 |
| 54 | 54.0 | 17.283 | 35.642 | 4.74 | 0.28 | 25.940 | 0.166 | 1515. | 7.9 |
| 56 | 56.0 | 17.338 | 35.671 | 4.64 | 0.27 | 25.949 | 0.170 | 1516. | 7.7 |
| 57 | 57.9 | 17.390 | 35.708 | 4.52 | 0.25 | 25.965 | 0.174 | 1516. | 7.7 |
| 60 | 60.0 | 17.422 | 35.764 | 4.41 | 0.23 | 26.000 | 0.178 | 1516. | 7.8 |
| 61 | 62.0 | 17.490 | 35.827 | 4.31 | 0.20 | 26.032 | 0.182 | 1516. | 8.3 |
| 64 | 64.0 | 17.385 | 35.926 | 4.29 | 0.17 | 26.134 | 0.186 | 1516. | 8.6 |
| 65 | 66.0 | 17.230 | 35.935 | 4.33 | 0.16 | 26.178 | 0.190 | 1516. | 8.6 |
| 67 | 68.0 | 16.908 | 35.870 | 4.33 | 0.18 | 26.205 | 0.194 | 1515. | 8.7 |
| 70 | 70.1 | 16.459 | 35.804 | 4.33 | 0.18 | 26.261 | 0.197 | 1513. | 8.5 |
| 71 | 72.0 | 16.392 | 35.815 | 4.30 | 0.16 | 26.285 | 0.201 | 1513. | 8.0 |
| 73 | 74.0 | 16.190 | 35.810 | 4.31 | 0.14 | 26.328 | 0.204 | 1513. | 7.8 |
| 75 | 75.9 | 15.718 | 35.746 | 4.35 | 0.14 | 26.387 | 0.207 | 1511. | 7.5 |
| 77 | 78.0 | 15.469 | 35.720 | 4.33 | 0.15 | 26.423 | 0.211 | 1510. | 7.3 |
| 79 | 80.0 | 15.415 | 35.723 | 4.27 | 0.14 | 26.438 | 0.214 | 1510. | 7.0 |
| 81 | 82.0 | 15.355 | 35.740 | 4.24 | 0.14 | 26.465 | 0.217 | 1510. | 6.5 |
| 83 | 84.0 | 15.288 | 35.752 | 4.22 | 0.13 | 26.489 | 0.220 | 1510. | 6.2 |
| 85 | 86.0 | 15.104 | 35.749 | 4.22 | 0.13 | 26.528 | 0.223 | 1509. | 6.0 |
| 87 | 88.0 | 15.103 | 35.760 | 4.21 | 0.12 | 26.536 | 0.227 | 1509. | 5.9 |
| 89 | 89.9 | 14.965 | 35.741 | 4.23 | 0.12 | 26.552 | 0.229 | 1509. | 5.5 |
| 91 | 92.0 | 14.761 | 35.726 | 4.26 | 0.11 | 26.586 | 0.232 | 1508. | 5.1 |
| 93 | 94.0 | 14.647 | 35.711 | 4.30 | 0.12 | 26.599 | 0.235 | 1508. | 4.9 |
| 95 | 96.0 | 14.564 | 35.699 | 4.37 | 0.11 | 26.607 | 0.238 | 1508. | 5.1 |
| 97 | 98.0 | 14.458 | 35.677 | 4.41 | 0.11 | 26.613 | 0.241 | 1507. | 5.2 |
| 99 | 100.1 | 14.342 | 35.661 | 4.45 | 0.11 | 26.626 | 0.244 | 1507. | 5.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 10 | 12 JUL 1982 | 1344 | 40°23.1'N | 67°32.9'W | 235 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 14.261 | 35.672 | 4.49 | 0.11 | 26.652 | 0.247 | 1507. | 5.2 |
| 103 | 103.9 | 13.789 | 35.578 | 4.55 | 0.11 | 26.679 | 0.250 | 1505. | 5.2 |
| 105 | 106.0 | 13.466 | 35.518 | 4.59 | 0.11 | 26.700 | 0.252 | 1504. | 5.1 |
| 107 | 108.1 | 13.416 | 35.510 | 4.57 | 0.11 | 26.704 | 0.255 | 1504. | 4.7 |
| 109 | 110.0 | 13.274 | 35.489 | 4.58 | 0.11 | 26.717 | 0.258 | 1503. | 4.0 |
| 111 | 112.0 | 13.190 | 35.488 | 4.58 | 0.11 | 26.733 | 0.260 | 1503. | 3.4 |
| 113 | 114.0 | 13.183 | 35.489 | 4.57 | 0.11 | 26.735 | 0.263 | 1503. | 2.9 |
| 115 | 116.1 | 13.180 | 35.489 | 4.56 | 0.11 | 26.736 | 0.266 | 1503. | 2.5 |
| 117 | 118.0 | 13.178 | 35.489 | 4.56 | 0.11 | 26.736 | 0.268 | 1503. | 2.0 |
| 119 | 119.9 | 13.163 | 35.489 | 4.54 | 0.11 | 26.740 | 0.271 | 1503. | 1.9 |
| 121 | 122.1 | 13.160 | 35.489 | 4.54 | 0.11 | 26.741 | 0.274 | 1503. | 2.1 |
| 123 | 124.0 | 13.156 | 35.490 | 4.53 | 0.11 | 26.742 | 0.276 | 1503. | 2.3 |
| 125 | 126.0 | 13.138 | 35.490 | 4.51 | 0.11 | 26.745 | 0.279 | 1503. | 2.5 |
| 127 | 128.0 | 13.104 | 35.493 | 4.51 | 0.11 | 26.755 | 0.282 | 1503. | 3.0 |
| 129 | 129.9 | 13.093 | 35.494 | 4.50 | 0.11 | 26.757 | 0.284 | 1503. | 3.5 |
| 131 | 132.0 | 13.075 | 35.493 | 4.48 | 0.11 | 26.761 | 0.287 | 1503. | 3.9 |
| 133 | 134.0 | 13.056 | 35.497 | 4.44 | 0.11 | 26.767 | 0.290 | 1503. | 4.1 |
| 135 | 136.1 | 12.946 | 35.498 | 4.42 | 0.11 | 26.791 | 0.292 | 1503. | 4.3 |
| 137 | 138.1 | 12.873 | 35.498 | 4.39 | 0.11 | 26.805 | 0.295 | 1503. | 4.4 |
| 139 | 140.0 | 12.812 | 35.496 | 4.37 | 0.12 | 26.816 | 0.297 | 1502. | 4.5 |
| 141 | 142.0 | 12.756 | 35.498 | 4.35 | 0.12 | 26.828 | 0.300 | 1502. | 4.5 |
| 143 | 144.0 | 12.706 | 35.497 | 4.32 | 0.12 | 26.837 | 0.302 | 1502. | 4.3 |
| 145 | 146.1 | 12.635 | 35.491 | 4.29 | 0.12 | 26.847 | 0.305 | 1502. | 4.2 |
| 147 | 147.9 | 12.517 | 35.476 | 4.27 | 0.13 | 26.859 | 0.307 | 1502. | 4.1 |
| 149 | 150.1 | 12.393 | 35.467 | 4.26 | 0.13 | 26.876 | 0.310 | 1501. | 4.0 |
| 151 | 152.0 | 12.374 | 35.473 | 4.23 | 0.13 | 26.884 | 0.312 | 1501. | 3.8 |
| 153 | 154.1 | 12.345 | 35.474 | 4.22 | 0.13 | 26.891 | 0.315 | 1501. | 3.5 |
| 155 | 155.8 | 12.304 | 35.471 | 4.21 | 0.14 | 26.896 | 0.317 | 1501. | 3.2 |
| 157 | 158.1 | 12.268 | 35.470 | 4.19 | 0.14 | 26.903 | 0.319 | 1501. | 3.0 |
| 159 | 160.0 | 12.264 | 35.471 | 4.17 | 0.14 | 26.905 | 0.322 | 1501. | 2.9 |
| 161 | 161.8 | 12.251 | 35.472 | 4.15 | 0.14 | 26.908 | 0.324 | 1501. | 2.9 |
| 163 | 164.0 | 12.181 | 35.468 | 4.14 | 0.14 | 26.918 | 0.326 | 1501. | 2.8 |
| 165 | 165.9 | 12.150 | 35.468 | 4.14 | 0.14 | 26.924 | 0.328 | 1501. | 2.9 |
| 167 | 167.9 | 12.130 | 35.467 | 4.12 | 0.14 | 26.927 | 0.331 | 1501. | 3.2 |
| 169 | 170.0 | 12.103 | 35.465 | 4.10 | 0.14 | 26.931 | 0.333 | 1501. | 3.3 |
| 171 | 172.0 | 12.078 | 35.463 | 4.07 | 0.14 | 26.934 | 0.336 | 1500. | 3.3 |
| 172 | 173.9 | 12.027 | 35.462 | 4.04 | 0.14 | 26.943 | 0.338 | 1500. | 3.4 |
| 175 | 176.0 | 11.943 | 35.464 | 4.02 | 0.14 | 26.961 | 0.340 | 1500. | 3.4 |
| 177 | 178.1 | 11.926 | 35.467 | 4.00 | 0.15 | 26.967 | 0.342 | 1500. | 3.4 |
| 178 | 179.9 | 11.922 | 35.469 | 3.96 | 0.15 | 26.969 | 0.344 | 1500. | 3.4 |
| 181 | 182.1 | 11.918 | 35.475 | 3.90 | 0.15 | 26.975 | 0.347 | 1500. | 3.2 |
| 182 | 184.0 | 11.946 | 35.490 | 3.83 | 0.14 | 26.981 | 0.349 | 1500. | 3.1 |
| 184 | 186.0 | 11.992 | 35.511 | 3.78 | 0.14 | 26.989 | 0.351 | 1500. | 3.3 |
| 186 | 188.0 | 11.987 | 35.518 | 3.73 | 0.14 | 26.995 | 0.353 | 1500. | 3.4 |
| 189 | 190.1 | 11.963 | 35.517 | 3.68 | 0.14 | 26.998 | 0.356 | 1500. | 3.4 |
| 190 | 191.9 | 11.855 | 35.508 | 3.66 | 0.14 | 27.012 | 0.358 | 1500. | 3.3 |
| 192 | 194.0 | 11.787 | 35.500 | 3.64 | 0.14 | 27.019 | 0.360 | 1500. | 3.3 |
| 194 | 196.0 | 11.738 | 35.495 | 3.62 | 0.14 | 27.024 | 0.362 | 1500. | 3.4 |
| 196 | 198.0 | 11.687 | 35.488 | 3.61 | 0.14 | 27.029 | 0.364 | 1500. | 3.5 |
| 198 | 200.0 | 11.647 | 35.483 | 3.60 | 0.14 | 27.032 | 0.366 | 1499. | 3.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 10 | 12 JUL 1982 | 1344 | 40°23.1'N | 67°32.9'W | 235 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 202.0 | 11.511 | 35.463 | 3.59 | 0.14 | 27.042 | 0.369 | 1499. | 3.8 |
| 202 | 204.1 | 11.374 | 35.446 | 3.60 | 0.14 | 27.055 | 0.371 | 1499. | 3.8 |
| 204 | 206.0 | 11.232 | 35.428 | 3.62 | 0.15 | 27.067 | 0.373 | 1498. | 3.7 |
| 206 | 208.0 | 11.097 | 35.414 | 3.61 | 0.15 | 27.081 | 0.375 | 1498. | 3.4 |
| 208 | 210.0 | 11.066 | 35.412 | 3.62 | 0.15 | 27.085 | 0.377 | 1498. | 3.0 |
| 210 | 212.0 | 11.058 | 35.411 | 3.64 | 0.15 | 27.086 | 0.379 | 1498. | 2.5 |
| 212 | 214.0 | 11.052 | 35.410 | 3.67 | 0.16 | 27.086 | 0.381 | 1498. | 2.1 |
| 214 | 216.0 | 11.052 | 35.410 | 3.69 | 0.16 | 27.086 | 0.383 | 1498. | 1.6 |
| 216 | 217.9 | 11.029 | 35.407 | 3.71 | 0.16 | 27.088 | 0.385 | 1498. | 1.8 |
| 218 | 220.0 | 10.971 | 35.400 | 3.72 | 0.17 | 27.093 | 0.387 | 1497. | 2.1 |
| 219 | 221.3 | 10.970 | 35.401 | 3.73 | 0.17 | 27.094 | 0.388 | 1497. | 2.6 |
| 220 | 222.0 | 10.965 | 35.396 | 3.74 | 0.17 | 27.091 | 0.389 | 1497. | 3.2 |
| 221 | 223.0 | 10.898 | 35.393 | 3.76 | 0.17 | 27.101 | 0.390 | 1497. | 4.1 |
| 222 | 224.0 | 10.887 | 35.390 | 3.77 | 0.17 | 27.100 | 0.391 | 1497. | 5.5 |
| 223 | 225.0 | 10.778 | 35.379 | 3.77 | 0.17 | 27.112 | 0.392 | 1497. | 6.4 |
| 224 | 226.0 | 10.671 | 35.363 | 3.78 | 0.17 | 27.118 | 0.393 | 1496. | 6.8 |
| 225 | 227.0 | 10.410 | 35.332 | 3.81 | 0.17 | 27.140 | 0.394 | 1495. | 6.8 |
| 226 | 228.1 | 10.130 | 35.316 | 3.84 | 0.17 | 27.177 | 0.395 | 1494. | 6.6 |
| 227 | 229.0 | 10.040 | 35.307 | 3.84 | 0.18 | 27.186 | 0.396 | 1494. | 6.1 |
| 228 | 229.9 | 10.024 | 35.307 | 3.81 | 0.18 | 27.188 | 0.397 | 1494. | 6.1 |
| 229 | 231.0 | 10.011 | 35.309 | 3.79 | 0.18 | 27.192 | 0.398 | 1494. | 6.1 |
| 230 | 232.1 | 10.018 | 35.309 | 3.81 | 0.18 | 27.191 | 0.399 | 1494. | 6.1 |
| 231 | 232.9 | 9.966 | 35.306 | 3.85 | 0.17 | 27.198 | 0.399 | 1494. | 6.1 |

STA 11 DAY: 12 TIME: 1530

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 24.5 | 27.3 | 21.8 | 37.0 | 16.4 | 65.1 | 17.3 | 97.0 | 14.6 |
| 0.0 | 24.5 | 27.3 | 21.7 | 37.0 | 16.4 | 66.0 | 17.3 | 97.9 | 14.5 |
| 1.0 | 24.4 | 27.3 | 21.5 | 37.9 | 16.3 | 67.0 | 17.4 | 98.9 | 14.4 |
| 1.9 | 24.4 | 27.3 | 21.4 | 37.9 | 16.2 | 68.0 | 17.4 | 98.9 | 14.4 |
| 1.9 | 24.4 | 27.3 | 21.3 | 38.9 | 16.2 | 69.0 | 17.4 | 100.8 | 14.4 |
| 3.9 | 24.3 | 27.3 | 21.2 | 38.9 | 16.2 | 69.9 | 17.3 | 100.8 | 14.4 |
| 4.9 | 24.3 | 27.3 | 21.1 | 39.9 | 16.2 | 69.9 | 17.3 | 101.8 | 14.3 |
| 6.8 | 24.3 | 27.3 | 21.1 | 40.9 | 16.2 | 71.9 | 17.3 | 101.8 | 14.3 |
| 7.8 | 24.3 | 27.3 | 20.9 | 41.8 | 16.1 | 71.9 | 17.3 | 101.8 | 14.2 |
| 7.8 | 24.2 | 27.3 | 20.7 | 41.8 | 16.1 | 72.8 | 17.2 | 101.8 | 14.2 |
| 7.8 | 24.2 | 27.3 | 20.6 | 41.8 | 16.0 | 72.8 | 17.1 | 102.8 | 14.1 |
| 8.8 | 24.1 | 28.2 | 20.5 | 42.8 | 15.9 | 72.8 | 17.1 | 102.8 | 14.1 |
| 8.8 | 24.1 | 28.2 | 20.4 | 42.8 | 15.8 | 73.8 | 17.0 | 102.8 | 14.1 |
| 9.7 | 24.1 | 28.2 | 20.3 | 43.8 | 15.8 | 74.8 | 17.0 | 103.7 | 14.0 |
| 10.7 | 24.0 | 28.2 | 20.2 | 44.7 | 15.8 | 75.7 | 16.9 | 104.7 | 14.0 |
| 11.7 | 24.0 | 28.2 | 20.1 | 44.7 | 15.8 | 76.7 | 16.9 | 105.6 | 14.0 |
| 12.7 | 24.0 | 28.2 | 19.9 | 45.7 | 15.8 | 77.7 | 16.8 | 106.6 | 14.0 |
| 13.6 | 24.0 | 28.2 | 19.8 | 45.7 | 15.8 | 77.7 | 16.7 | 107.6 | 14.0 |
| 15.6 | 23.9 | 28.2 | 19.7 | 46.7 | 15.8 | 77.7 | 16.6 | 108.5 | 14.0 |
| 16.6 | 23.9 | 29.2 | 19.6 | 47.6 | 15.8 | 77.7 | 16.6 | 109.5 | 14.0 |
| 17.5 | 23.9 | 29.2 | 19.5 | 47.6 | 15.8 | 78.6 | 16.5 | 110.5 | 14.1 |
| 18.5 | 23.9 | 29.2 | 19.4 | 47.6 | 15.9 | 78.6 | 16.5 | 110.5 | 14.1 |
| 18.5 | 23.8 | 29.2 | 19.3 | 48.6 | 16.0 | 79.6 | 16.4 | 110.5 | 14.2 |
| 19.5 | 23.7 | 29.2 | 19.2 | 48.6 | 16.0 | 80.6 | 16.3 | 111.4 | 14.2 |
| 20.4 | 23.7 | 29.2 | 19.1 | 48.6 | 16.1 | 80.6 | 16.2 | 112.4 | 14.2 |
| 20.4 | 23.6 | 29.2 | 18.8 | 49.6 | 16.1 | 81.5 | 16.1 | 114.3 | 14.2 |
| 21.4 | 23.6 | 30.2 | 18.6 | 50.6 | 16.1 | 81.5 | 16.1 | 115.3 | 14.2 |
| 21.4 | 23.5 | 30.2 | 18.4 | 50.6 | 16.2 | 81.5 | 16.0 | 116.2 | 14.2 |
| 22.4 | 23.5 | 30.2 | 18.3 | 51.5 | 16.2 | 82.5 | 16.0 | 117.2 | 14.1 |
| 22.4 | 23.4 | 30.2 | 18.2 | 51.5 | 16.3 | 82.5 | 15.9 | 117.2 | 14.0 |
| 23.4 | 23.3 | 30.2 | 18.1 | 51.5 | 16.4 | 82.5 | 15.9 | 117.2 | 13.9 |
| 23.4 | 23.2 | 31.1 | 17.9 | 52.5 | 16.5 | 83.5 | 15.8 | 118.2 | 13.9 |
| 24.3 | 23.2 | 32.1 | 17.8 | 52.5 | 16.6 | 83.5 | 15.8 | 118.2 | 13.9 |
| 24.3 | 23.2 | 32.1 | 17.8 | 52.5 | 16.7 | 84.4 | 15.8 | 119.1 | 13.9 |
| 24.3 | 23.1 | 32.1 | 17.7 | 52.5 | 16.8 | 85.4 | 15.8 | 120.1 | 13.9 |
| 24.3 | 23.1 | 32.1 | 17.7 | 53.5 | 16.9 | 85.4 | 15.6 | 122.0 | 13.9 |
| 24.3 | 23.0 | 32.1 | 17.6 | 53.5 | 17.0 | 86.4 | 15.5 | 123.0 | 13.8 |
| 25.3 | 23.0 | 33.1 | 17.6 | 54.4 | 17.0 | 87.3 | 15.4 | 124.9 | 13.8 |
| 25.3 | 22.9 | 33.1 | 17.5 | 55.4 | 17.1 | 88.3 | 15.3 | 126.8 | 13.7 |
| 26.3 | 22.8 | 34.1 | 17.4 | 56.4 | 17.1 | 88.3 | 15.3 | 126.8 | 13.7 |
| 26.3 | 22.8 | 35.0 | 17.3 | 56.4 | 17.1 | 89.2 | 15.1 | 127.8 | 13.6 |
| 26.3 | 22.6 | 35.0 | 17.3 | 57.3 | 17.2 | 90.2 | 15.1 | 127.8 | 13.6 |
| 26.3 | 22.6 | 35.0 | 17.2 | 58.3 | 17.2 | 91.2 | 15.0 | 129.7 | 13.6 |
| 26.3 | 22.5 | 36.0 | 17.1 | 60.2 | 17.2 | 91.2 | 15.0 | 130.7 | 13.6 |
| 26.3 | 22.4 | 36.0 | 17.0 | 61.2 | 17.2 | 92.1 | 14.9 | 131.6 | 13.7 |
| 26.3 | 22.3 | 36.0 | 16.8 | 61.2 | 17.2 | 92.1 | 14.9 | 133.5 | 13.7 |
| 26.3 | 22.2 | 36.0 | 16.7 | 62.2 | 17.1 | 93.1 | 14.8 | 135.5 | 13.7 |
| 26.3 | 22.1 | 36.0 | 16.6 | 63.1 | 17.2 | 95.0 | 14.7 | 136.4 | 13.6 |
| 26.3 | 22.0 | 37.0 | 16.6 | 63.1 | 17.2 | 96.0 | 14.7 | 136.4 | 13.6 |
| 27.3 | 21.9 | 37.0 | 16.5 | 64.1 | 17.3 | 97.0 | 14.6 | 138.3 | 13.6 |

STA 11 DAY: 12 TIME: 1530

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 139.3 | 13.6 | 201.5 | 11.7 | 267.0 | 9.2 | 339.6 | 7.2 | 433.0 | 5.7 |
| 139.3 | 13.6 | 203.4 | 11.7 | 268.0 | 9.2 | 340.5 | 7.2 | 434.8 | 5.7 |
| 140.3 | 13.5 | 205.3 | 11.7 | 269.9 | 9.1 | 342.4 | 7.1 | 439.4 | 5.7 |
| 141.2 | 13.5 | 207.2 | 11.6 | 271.8 | 9.0 | 343.4 | 7.1 | 442.2 | 5.7 |
| 142.2 | 13.5 | 208.2 | 11.5 | 272.7 | 9.0 | 344.3 | 7.0 | 445.9 | 5.7 |
| 144.1 | 13.4 | 208.2 | 11.5 | 273.7 | 8.9 | 347.1 | 6.9 | 451.5 | 5.7 |
| 146.0 | 13.4 | 209.1 | 11.4 | 274.6 | 8.9 | 349.0 | 6.9 | 453.3 | 5.7 |
| 146.0 | 13.4 | 210.1 | 11.3 | 276.5 | 8.9 | 351.8 | 6.9 | 458.0 | 5.7 |
| 147.0 | 13.3 | 210.1 | 11.3 | 276.5 | 8.8 | 352.7 | 6.9 | 461.7 | 5.7 |
| 147.9 | 13.2 | 211.0 | 11.2 | 278.4 | 8.7 | 355.6 | 6.8 | 464.5 | 5.7 |
| 149.9 | 13.2 | 212.9 | 11.2 | 279.3 | 8.7 | 357.4 | 6.8 | 467.2 | 5.7 |
| 149.9 | 13.2 | 215.8 | 11.2 | 281.2 | 8.7 | 359.3 | 6.7 | 469.1 | 5.6 |
| 152.7 | 13.2 | 217.7 | 11.2 | 282.2 | 8.7 | 359.3 | 6.7 | 470.9 | 5.6 |
| 154.7 | 13.2 | 218.6 | 11.2 | 282.2 | 8.6 | 361.2 | 6.7 | 472.8 | .5 |
| 156.6 | 13.2 | 220.5 | 11.1 | 283.1 | 8.5 | 364.0 | 6.6 | 475.5 | 5.5 |
| 158.5 | 13.2 | 221.5 | 11.0 | 285.9 | 8.5 | 367.7 | 6.6 | 478.3 | 5.5 |
| 160.4 | 13.1 | 221.5 | 10.9 | 287.8 | 8.5 | 369.6 | 6.6 | 481.1 | 5.5 |
| 160.4 | 13.0 | 222.4 | 10.8 | 288.8 | 8.5 | 369.6 | 6.6 | 484.8 | 5.5 |
| 161.4 | 12.9 | 224.4 | 10.8 | 289.7 | 8.4 | 371.5 | 6.6 | 487.5 | 5.5 |
| 161.4 | 12.9 | 225.3 | 10.8 | 290.7 | 8.4 | 374.3 | 6.5 | 490.3 | 5.5 |
| 163.3 | 12.9 | 226.3 | 10.7 | 293.5 | 8.3 | 374.3 | 6.5 | 492.2 | 5.5 |
| 164.2 | 12.8 | 227.2 | 10.7 | 295.4 | 8.3 | 377.1 | 6.5 | 494.0 | 5.5 |
| 164.2 | 12.8 | 228.2 | 10.6 | 296.3 | 8.3 | 378.9 | 6.5 | 494.9 | 5.4 |
| 166.2 | 12.8 | 231.0 | 10.6 | 297.3 | 8.3 | 379.9 | 6.4 | 497.7 | 5.4 |
| 168.1 | 12.7 | 231.0 | 10.5 | 298.2 | 8.2 | 381.7 | 6.4 | 500.4 | 5.4 |
| 169.0 | 12.7 | 232.0 | 10.5 | 300.1 | 8.2 | 384.5 | 6.3 | 502.3 | 5.4 |
| 170.0 | 12.7 | 233.9 | 10.4 | 301.0 | 8.2 | 386.4 | 6.3 | 505.0 | 5.4 |
| 170.9 | 12.6 | 234.8 | 10.4 | 302.0 | 8.1 | 389.2 | 6.3 | 507.8 | 5.4 |
| 171.9 | 12.5 | 235.8 | 10.4 | 302.9 | 8.0 | 392.0 | 6.3 | 510.6 | 5.4 |
| 172.9 | 12.5 | 237.7 | 10.4 | 303.9 | 8.0 | 393.9 | 6.2 | 512.4 | 5.3 |
| 174.8 | 12.5 | 239.6 | 10.4 | 305.8 | 7.9 | 396.7 | 6.2 | 515.2 | 5.3 |
| 175.7 | 12.5 | 240.5 | 10.3 | 305.8 | 7.8 | 399.5 | 6.2 | 517.0 | 5.3 |
| 176.7 | 12.4 | 241.5 | 10.2 | 307.6 | 7.8 | 402.3 | 6.2 | 519.8 | 5.3 |
| 177.6 | 12.4 | 241.5 | 10.1 | 308.6 | 7.8 | 403.2 | 6.2 | 522.5 | 5.3 |
| 178.6 | 12.4 | 243.4 | 10.1 | 309.5 | 7.7 | 404.1 | 6.1 | 525.3 | 5.2 |
| 180.5 | 12.3 | 244.3 | 10.0 | 311.4 | 7.7 | 405.1 | 6.1 | 527.1 | 5.3 |
| 182.4 | 12.3 | 246.2 | 10.0 | 314.2 | 7.6 | 406.0 | 6.0 | 528.9 | 5.3 |
| 182.4 | 12.3 | 249.0 | 10.0 | 316.1 | 7.6 | 407.8 | 6.0 | 530.8 | 5.3 |
| 184.3 | 12.3 | 250.0 | 9.9 | 318.0 | 7.6 | 409.7 | 6.0 | 532.6 | 5.2 |
| 185.3 | 12.2 | 250.9 | 9.9 | 319.9 | 7.6 | 410.6 | 6.0 | 535.4 | 5.3 |
| 187.2 | 12.2 | 252.8 | 9.8 | 320.8 | 7.5 | 411.6 | 5.9 | 538.1 | 5.2 |
| 188.1 | 12.1 | 253.8 | 9.7 | 323.6 | 7.5 | 411.6 | 5.9 | 541.8 | 5.2 |
| 188.1 | 12.1 | 254.7 | 9.7 | 326.5 | 7.5 | 416.2 | 5.9 | 543.6 | 5.2 |
| 190.1 | 12.0 | 255.7 | 9.6 | 329.3 | 7.5 | 418.1 | 5.9 | 545.4 | 5.2 |
| 192.9 | 12.0 | 258.5 | 9.5 | 330.2 | 7.5 | 420.9 | 5.9 | 549.1 | 5.2 |
| 193.9 | 12.0 | 259.5 | 9.5 | 332.1 | 7.4 | 423.7 | 5.9 | 552.8 | 5.2 |
| 193.9 | 11.9 | 261.4 | 9.5 | 334.9 | 7.4 | 426.5 | 5.9 | 556.4 | 5.2 |
| 196.7 | 11.9 | 262.3 | 9.4 | 335.9 | 7.3 | 427.4 | 5.9 | 560.1 | 5.1 |
| 198.6 | 11.9 | 263.3 | 9.4 | 337.7 | 7.3 | 429.2 | 5.8 | 563.7 | 5.1 |
| 199.6 | 11.8 | 265.1 | 9.2 | 338.7 | 7.3 | 430.2 | 5.7 | 567.4 | 5.1 |

STA 11 DAY: 12 TIME: 1530

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|
| 569.2 | 5.1 | 717.6 | 4.6 |
| 573.8 | 5.0 | 720.3 | 4.6 |
| 576.5 | 5.1 | 723.0 | 4.6 |
| 580.2 | 5.1 | 725.7 | 4.6 |
| 582.9 | 5.0 | 727.5 | 4.6 |
| 584.7 | 5.0 | 730.1 | 4.6 |
| 586.5 | 5.0 | | |
| 588.4 | 5.0 | | |
| 592.0 | 5.0 | | |
| 596.6 | 5.0 | | |
| 598.4 | 5.0 | | |
| 601.1 | 5.0 | | |
| 602.9 | 4.9 | | |
| 603.8 | 4.9 | | |
| 605.7 | 4.9 | | |
| 609.3 | 4.9 | | |
| 612.0 | 4.9 | | |
| 613.8 | 4.9 | | |
| 615.7 | 4.9 | | |
| 620.2 | 4.9 | | |
| 623.8 | 4.9 | | |
| 627.5 | 4.9 | | |
| 630.2 | 4.8 | | |
| 634.7 | 4.8 | | |
| 639.2 | 4.8 | | |
| 643.8 | 4.8 | | |
| 645.6 | 4.8 | | |
| 645.6 | 4.8 | | |
| 648.3 | 4.8 | | |
| 651.9 | 4.8 | | |
| 653.7 | 4.8 | | |
| 657.3 | 4.8 | | |
| 660.9 | 4.8 | | |
| 664.5 | 4.7 | | |
| 668.1 | 4.7 | | |
| 671.8 | 4.7 | | |
| 673.6 | 4.7 | | |
| 676.3 | 4.7 | | |
| 678.1 | 4.7 | | |
| 680.8 | 4.7 | | |
| 685.3 | 4.6 | | |
| 689.8 | 4.7 | | |
| 692.5 | 4.6 | | |
| 695.2 | 4.6 | | |
| 698.8 | 4.7 | | |
| 700.6 | 4.6 | | |
| 705.0 | 4.6 | | |
| 707.7 | 4.6 | | |
| 710.4 | 4.6 | | |
| 713.1 | 4.6 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 12 | 12 JUL 1982 | 1512 | 40°16.6'N | 67°30.4'W | 1280 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.0 | 24.134 | 34.965 | 4.76 | 0.17 | 23.577 | 0.000 | 1532. | 9.4 |
| 4 | 3.9 | 24.107 | 34.972 | 4.74 | 0.16 | 23.590 | 0.008 | 1532. | 9.4 |
| 6 | 6.0 | 24.090 | 34.975 | 4.72 | 0.16 | 23.598 | 0.017 | 1532. | 9.4 |
| 8 | 8.0 | 24.049 | 35.029 | 4.76 | 0.16 | 23.651 | 0.026 | 1532. | 9.4 |
| 10 | 9.9 | 24.042 | 35.116 | 4.74 | 0.16 | 23.718 | 0.034 | 1532. | 9.4 |
| 12 | 12.0 | 23.990 | 35.174 | 4.71 | 0.16 | 23.778 | 0.042 | 1532. | 9.5 |
| 14 | 14.0 | 23.682 | 35.167 | 4.76 | 0.16 | 23.863 | 0.051 | 1532. | 9.4 |
| 16 | 16.0 | 23.775 | 35.310 | 4.71 | 0.15 | 23.944 | 0.058 | 1532. | 9.3 |
| 18 | 18.0 | 23.887 | 35.398 | 4.69 | 0.15 | 23.978 | 0.066 | 1532. | 9.4 |
| 20 | 20.0 | 23.856 | 35.401 | 4.69 | 0.15 | 23.989 | 0.074 | 1532. | 10.4 |
| 22 | 22.0 | 23.645 | 35.353 | 4.74 | 0.16 | 24.015 | 0.082 | 1532. | 13.7 |
| 24 | 24.1 | 22.941 | 35.221 | 4.82 | 0.17 | 24.120 | 0.090 | 1530. | 16.6 |
| 26 | 26.0 | 22.331 | 35.128 | 4.90 | 0.18 | 24.224 | 0.097 | 1528. | 18.6 |
| 28 | 28.0 | 21.086 | 34.962 | 5.09 | 0.18 | 24.443 | 0.104 | 1525. | 19.6 |
| 30 | 30.0 | 17.988 | 34.783 | 5.61 | 0.21 | 25.110 | 0.111 | 1516. | 19.9 |
| 32 | 32.1 | 16.808 | 34.862 | 5.75 | 0.29 | 25.455 | 0.117 | 1513. | 19.4 |
| 34 | 33.9 | 16.588 | 34.885 | 5.73 | 0.34 | 25.524 | 0.121 | 1512. | 18.2 |
| 36 | 36.0 | 16.391 | 34.937 | 5.68 | 0.43 | 25.610 | 0.126 | 1512. | 16.1 |
| 38 | 38.0 | 16.108 | 34.996 | 5.69 | 0.64 | 25.720 | 0.131 | 1511. | 13.0 |
| 40 | 40.0 | 16.122 | 35.193 | 5.56 | 0.52 | 25.869 | 0.135 | 1511. | 11.3 |
| 42 | 42.0 | 16.063 | 35.257 | 5.31 | 0.33 | 25.932 | 0.139 | 1511. | 10.7 |
| 44 | 43.9 | 16.108 | 35.369 | 5.06 | 0.23 | 26.008 | 0.143 | 1511. | 9.9 |
| 46 | 46.0 | 16.101 | 35.382 | 4.86 | 0.21 | 26.019 | 0.147 | 1511. | 8.9 |
| 48 | 48.1 | 16.109 | 35.424 | 4.77 | 0.20 | 26.050 | 0.152 | 1511. | 8.4 |
| 49 | 49.9 | 16.117 | 35.491 | 4.71 | 0.18 | 26.099 | 0.155 | 1512. | 8.5 |
| 52 | 52.1 | 16.113 | 35.543 | 4.63 | 0.17 | 26.141 | 0.159 | 1512. | 8.6 |
| 54 | 54.0 | 15.923 | 35.539 | 4.53 | 0.15 | 26.180 | 0.163 | 1511. | 8.7 |
| 56 | 56.0 | 15.935 | 35.645 | 4.44 | 0.14 | 26.260 | 0.166 | 1511. | 8.4 |
| 58 | 58.0 | 16.162 | 35.800 | 4.35 | 0.12 | 26.327 | 0.170 | 1512. | 8.1 |
| 60 | 60.1 | 16.307 | 35.877 | 4.19 | 0.12 | 26.352 | 0.173 | 1513. | 7.8 |
| 61 | 61.9 | 16.388 | 35.920 | 4.05 | 0.11 | 26.366 | 0.176 | 1513. | 7.2 |
| 63 | 63.9 | 16.441 | 35.956 | 4.00 | 0.11 | 26.381 | 0.180 | 1513. | 6.3 |
| 65 | 66.0 | 16.633 | 36.081 | 3.91 | 0.11 | 26.432 | 0.183 | 1514. | 5.7 |
| 68 | 68.1 | 16.762 | 36.152 | 3.82 | 0.10 | 26.457 | 0.186 | 1515. | 5.4 |
| 69 | 70.0 | 16.770 | 36.158 | 3.72 | 0.10 | 26.459 | 0.189 | 1515. | 5.1 |
| 71 | 72.1 | 16.770 | 36.174 | 3.69 | 0.10 | 26.471 | 0.193 | 1515. | 4.8 |
| 73 | [illegible] | 16.798 | 36.197 | 3.64 | 0.10 | 26.483 | 0.196 | 1515. | 4.2 |
| 75 | 76.0 | 16.783 | 36.201 | 3.61 | 0.09 | 26.489 | 0.199 | 1515. | 4.2 |
| 77 | 78.1 | 16.674 | 36.191 | 3.58 | 0.09 | 26.507 | 0.202 | 1514. | 4.3 |
| 79 | 79.9 | 16.608 | 36.183 | 3.54 | 0.09 | 26.517 | 0.205 | 1514. | 4.2 |
| 81 | 82.0 | 16.530 | 36.172 | 3.53 | 0.09 | 26.527 | 0.208 | 1514. | 4.3 |
| 83 | 84.1 | 16.425 | 36.160 | 3.53 | 0.09 | 26.542 | 0.211 | 1514. | 4.3 |
| 85 | 85.9 | 16.365 | 36.151 | 3.53 | 0.09 | 26.550 | 0.214 | 1514. | 4.2 |
| 87 | 88.0 | 16.240 | 36.124 | 3.55 | 0.09 | 26.558 | 0.217 | 1513. | 4.1 |
| 89 | 90.1 | 16.121 | 36.112 | 3.57 | 0.09 | 26.576 | 0.220 | 1513. | 3.9 |
| 91 | 92.0 | 16.059 | 36.105 | 3.55 | 0.09 | 26.586 | 0.223 | 1513. | 3.7 |
| 93 | 94.0 | 15.988 | 36.095 | 3.56 | 0.09 | 26.594 | 0.226 | 1513. | 3.7 |
| 95 | 95.9 | 15.943 | 36.086 | 3.54 | 0.09 | 26.597 | 0.229 | 1512. | 3.6 |
| 97 | 98.0 | 15.845 | 36.060 | 3.57 | 0.09 | 26.600 | 0.232 | 1512. | 3.5 |
| 99 | 100.0 | 15.648 | 36.014 | 3.59 | 0.09 | 26.610 | 0.235 | 1512. | 3.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 12 | 12 JUL 1982 | 1512 | 40°16.6'N | 67°30.4'W | 1280 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 15.500 | 35.986 | 3.64 | 0.09 | 26.622 | 0.238 | 1511. | 3.7 |
| 103 | 104.0 | 15.397 | 35.968 | 3.66 | 0.09 | 26.631 | 0.241 | 1511. | 4.2 |
| 105 | 106.0 | 15.288 | 35.943 | 3.69 | 0.09 | 26.636 | 0.243 | 1510. | 4.6 |
| 107 | 107.9 | 15.078 | 35.892 | 3.74 | 0.09 | 26.644 | 0.246 | 1510. | 4.8 |
| 109 | 110.0 | 14.777 | 35.833 | 3.84 | 0.09 | 26.664 | 0.249 | 1509. | 4.8 |
| 111 | 112.0 | 14.358 | 35.747 | 3.93 | 0.09 | 26.689 | 0.252 | 1507. | 4.9 |
| 113 | 114.0 | 14.195 | 35.729 | 4.01 | 0.09 | 26.710 | 0.255 | 1507. | 5.0 |
| 115 | 116.0 | 14.081 | 35.707 | 4.12 | 0.09 | 26.718 | 0.257 | 1506. | 4.9 |
| 117 | 118.0 | 13.913 | 35.663 | 4.16 | 0.09 | 26.719 | 0.260 | 1506. | 4.5 |
| 119 | 120.1 | 13.546 | 35.597 | 4.19 | 0.09 | 26.744 | 0.263 | 1505. | 4.1 |
| 121 | 121.9 | 13.540 | 35.611 | 4.32 | 0.09 | 26.757 | 0.265 | 1505. | 3.9 |
| 123 | 124.0 | 13.553 | 35.622 | 4.38 | 0.09 | 26.763 | 0.268 | 1505. | 3.8 |
| 125 | 126.1 | 13.534 | 35.619 | 4.34 | 0.09 | 26.764 | 0.271 | 1505. | 3.8 |
| 127 | 127.9 | 13.425 | 35.598 | 4.39 | 0.09 | 26.770 | 0.273 | 1504. | 3.5 |
| 129 | 130.1 | 13.264 | 35.570 | 4.39 | 0.09 | 26.782 | 0.276 | 1504. | 3.4 |
| 131 | 131.9 | 13.171 | 35.554 | 4.49 | 0.09 | 26.788 | 0.278 | 1504. | 3.3 |
| 133 | 134.0 | 13.000 | 35.526 | 4.53 | 0.09 | 26.801 | 0.281 | 1503. | 3.1 |
| 135 | 136.2 | 12.970 | 35.523 | 4.61 | 0.09 | 26.805 | 0.284 | 1503. | 2.9 |
| 137 | 138.0 | 12.955 | 35.521 | 4.69 | 0.09 | 26.806 | 0.286 | 1503. | 2.9 |
| 139 | 140.0 | 12.937 | 35.517 | 4.66 | 0.09 | 26.807 | 0.288 | 1503. | 3.0 |
| 141 | 142.0 | 12.903 | 35.512 | 4.64 | 0.09 | 26.810 | 0.291 | 1503. | 3.3 |
| 143 | 144.0 | 12.906 | 35.519 | 4.62 | 0.09 | 26.815 | 0.293 | 1503. | 3.5 |
| 145 | 146.0 | 12.971 | 35.560 | 4.52 | 0.10 | 26.833 | 0.296 | 1503. | 3.6 |
| 147 | 148.1 | 13.063 | 35.599 | 4.39 | 0.10 | 26.845 | 0.299 | 1504. | 3.6 |
| 149 | 149.9 | 13.179 | 35.643 | 4.25 | 0.10 | 26.855 | 0.301 | 1504. | 3.7 |
| 151 | 152.2 | 13.184 | 35.647 | 4.05 | 0.10 | 26.858 | 0.304 | 1504. | 3.7 |
| 153 | 153.9 | 13.192 | 35.652 | 3.83 | 0.10 | 26.860 | 0.306 | 1504. | 3.6 |
| 155 | 155.9 | 13.192 | 35.657 | 3.68 | 0.11 | 26.864 | 0.308 | 1504. | 3.5 |
| 157 | 158.1 | 13.194 | 35.686 | 3.67 | 0.11 | 26.886 | 0.311 | 1504. | 3.5 |
| 159 | 160.0 | 13.140 | 35.683 | 3.65 | 0.11 | 26.895 | 0.313 | 1504. | 3.5 |
| 161 | 162.0 | 13.102 | 35.679 | 3.56 | 0.11 | 26.899 | 0.315 | 1504. | 3.4 |
| 163 | 164.0 | 13.060 | 35.674 | 3.50 | 0.11 | 26.904 | 0.318 | 1504. | 3.2 |
| 165 | 166.0 | 12.990 | 35.664 | 3.46 | 0.11 | 26.910 | 0.320 | 1504. | 2.8 |
| 167 | 167.9 | 12.960 | 35.661 | 3.46 | 0.11 | 26.914 | 0.322 | 1504. | 2.6 |
| 169 | 170.0 | 12.929 | 35.657 | 3.42 | 0.11 | 26.917 | 0.325 | 1504. | 2.5 |
| 171 | 172.0 | 12.890 | 35.651 | 3.42 | 0.11 | 26.920 | 0.327 | 1503. | 2.6 |
| 173 | 174.1 | 12.834 | 35.643 | 3.42 | 0.11 | 26.925 | 0.330 | 1503. | 2.7 |
| 174 | 175.9 | 12.821 | 35.642 | 3.45 | 0.11 | 26.927 | 0.332 | 1503. | 3.2 |
| 176 | 177.9 | 12.777 | 35.635 | 3.43 | 0.11 | 26.930 | 0.334 | 1503. | 3.7 |
| 179 | 180.0 | 12.673 | 35.621 | 3.43 | 0.11 | 26.940 | 0.337 | 1503. | 4.0 |
| 181 | 182.0 | 12.574 | 35.606 | 3.43 | 0.12 | 26.949 | 0.339 | 1502. | 4.1 |
| 183 | 184.1 | 12.312 | 35.568 | 3.44 | 0.11 | 26.970 | 0.341 | 1502. | 4.0 |
| 184 | 186.0 | 12.154 | 35.548 | 3.44 | 0.11 | 26.986 | 0.343 | 1501. | 3.8 |
| 186 | 188.0 | 12.132 | 35.550 | 3.43 | 0.11 | 26.992 | 0.346 | 1501. | 3.5 |
| 188 | 190.0 | 12.123 | 35.550 | 3.41 | 0.12 | 26.993 | 0.348 | 1501. | 3.0 |
| 190 | 192.1 | 12.106 | 35.547 | 3.43 | 0.12 | 26.994 | 0.350 | 1501. | 2.3 |
| 192 | 193.9 | 12.086 | 35.545 | 3.45 | 0.12 | 26.997 | 0.352 | 1501. | 2.1 |
| 194 | 196.0 | 12.059 | 35.542 | 3.43 | 0.12 | 26.999 | 0.354 | 1501. | 2.3 |
| 196 | 198.0 | 12.033 | 35.538 | 3.44 | 0.12 | 27.002 | 0.357 | 1501. | 2.5 |
| 198 | 200.0 | 12.014 | 35.536 | 3.46 | 0.12 | 27.003 | 0.359 | 1501. | 2.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 12 | 12 JUL 1982 | 1512 | 40°16.6'N | 67°30.4'W | 1280 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 202.0 | 11.938 | 35.526 | 3.47 | 0.12 | 27.010 | 0.361 | 1501. | 3.1 |
| 202 | 204.1 | 11.817 | 35.510 | 3.47 | 0.12 | 27.021 | 0.363 | 1500. | 3.2 |
| 204 | 206.0 | 11.768 | 35.502 | 3.48 | 0.12 | 27.024 | 0.365 | 1500. | 3.3 |
| 206 | 208.0 | 11.637 | 35.483 | 3.50 | 0.13 | 27.034 | 0.367 | 1500. | 3.2 |
| 208 | 210.0 | 11.556 | 35.473 | 3.49 | 0.13 | 27.042 | 0.370 | 1499. | 3.1 |
| 210 | 212.0 | 11.520 | 35.469 | 3.47 | 0.13 | 27.045 | 0.372 | 1499. | 3.0 |
| 212 | 214.1 | 11.494 | 35.466 | 3.46 | 0.13 | 27.048 | 0.374 | 1499. | 3.0 |
| 214 | 216.0 | 11.412 | 35.453 | 3.48 | 0.13 | 27.053 | 0.376 | 1499. | 2.9 |
| 216 | 218.1 | 11.319 | 35.440 | 3.47 | 0.14 | 27.061 | 0.378 | 1499. | 2.9 |
| 218 | 220.0 | 11.272 | 35.435 | 3.46 | 0.14 | 27.065 | 0.380 | 1498. | 3.0 |
| 220 | 222.0 | 11.200 | 35.425 | 3.45 | 0.14 | 27.071 | 0.382 | 1498. | 3.1 |
| 222 | 224.0 | 11.140 | 35.419 | 3.43 | 0.14 | 27.077 | 0.384 | 1498. | 3.2 |
| 224 | 226.0 | 11.078 | 35.410 | 3.42 | 0.14 | 27.081 | 0.386 | 1498. | 3.3 |
| 226 | 228.0 | 10.986 | 35.397 | 3.42 | 0.14 | 27.088 | 0.388 | 1498. | 3.3 |
| 228 | 230.0 | 10.918 | 35.389 | 3.42 | 0.14 | 27.094 | 0.390 | 1497. | 3.2 |
| 230 | 232.0 | 10.772 | 35.370 | 3.42 | 0.14 | 27.106 | 0.392 | 1497. | 3.0 |
| 232 | 234.0 | 10.724 | 35.366 | 3.39 | 0.14 | 27.111 | 0.394 | 1497. | 2.8 |
| 234 | 236.0 | 10.709 | 35.364 | 3.38 | 0.14 | 27.112 | 0.396 | 1497. | 2.7 |
| 236 | 237.9 | 10.691 | 35.361 | 3.38 | 0.14 | 27.113 | 0.398 | 1497. | 2.5 |
| 238 | 240.0 | 10.637 | 35.353 | 3.36 | 0.14 | 27.116 | 0.400 | 1496. | 2.3 |
| 240 | 242.0 | 10.568 | 35.343 | 3.36 | 0.14 | 27.121 | 0.402 | 1496. | 2.4 |
| 242 | 244.0 | 10.512 | 35.336 | 3.36 | 0.14 | 27.126 | 0.404 | 1496. | 2.5 |
| 244 | 246.0 | 10.477 | 35.332 | 3.35 | 0.15 | 27.129 | 0.406 | 1496. | 2.5 |
| 246 | 248.0 | 10.437 | 35.327 | 3.34 | 0.15 | 27.132 | 0.408 | 1496. | 2.5 |
| 248 | 250.0 | 10.390 | 35.322 | 3.34 | 0.15 | 27.136 | 0.410 | 1496. | 2.6 |
| 250 | 252.0 | 10.335 | 35.313 | 3.34 | 0.15 | 27.139 | 0.412 | 1496. | 2.6 |
| 252 | 254.0 | 10.291 | 35.309 | 3.36 | 0.16 | 27.143 | 0.414 | 1495. | 2.8 |
| 254 | 256.0 | 10.241 | 35.303 | 3.32 | 0.16 | 27.148 | 0.416 | 1495. | 2.9 |
| 256 | 258.0 | 10.158 | 35.293 | 3.31 | 0.16 | 27.154 | 0.418 | 1495. | 3.0 |
| 258 | 260.0 | 10.122 | 35.290 | 3.32 | 0.16 | 27.158 | 0.420 | 1495. | 3.1 |
| 260 | 262.0 | 10.011 | 35.276 | 3.35 | 0.17 | 27.166 | 0.422 | 1495. | 3.1 |
| 262 | 264.0 | 9.956 | 35.275 | 3.35 | 0.17 | 27.174 | 0.424 | 1494. | 3.0 |
| 264 | 266.0 | 9.919 | 35.271 | 3.33 | 0.17 | 27.178 | 0.425 | 1494. | 2.9 |
| 266 | 268.0 | 9.871 | 35.266 | 3.33 | 0.17 | 27.182 | 0.427 | 1494. | 2.9 |
| 268 | 270.0 | 9.811 | 35.259 | 3.35 | 0.18 | 27.187 | 0.429 | 1494. | 3.0 |
| 270 | 272.0 | 9.765 | 35.254 | 3.35 | 0.18 | 27.191 | 0.431 | 1494. | 3.1 |
| 272 | 274.0 | 9.719 | 35.248 | 3.35 | 0.18 | 27.194 | 0.433 | 1494. | 3.2 |
| 274 | 276.0 | 9.590 | 35.230 | 3.36 | 0.18 | 27.202 | 0.435 | 1493. | 3.2 |
| 276 | 277.9 | 9.459 | 35.218 | 3.37 | 0.18 | 27.214 | 0.436 | 1493. | 3.2 |
| 278 | 280.1 | 9.409 | 35.214 | 3.35 | 0.18 | 27.219 | 0.438 | 1493. | 3.1 |
| 280 | 281.9 | 9.376 | 35.210 | 3.35 | 0.18 | 27.222 | 0.440 | 1492. | 3.0 |
| 282 | 284.1 | 9.307 | 35.202 | 3.35 | 0.19 | 27.227 | 0.442 | 1492. | 2.8 |
| 284 | 286.0 | 9.262 | 35.198 | 3.37 | 0.19 | 27.231 | 0.444 | 1492. | 2.7 |
| 286 | 288.0 | 9.231 | 35.195 | 3.35 | 0.19 | 27.234 | 0.445 | 1492. | 2.9 |
| 288 | 290.0 | 9.170 | 35.187 | 3.37 | 0.19 | 27.238 | 0.447 | 1492. | 2.9 |
| 290 | 292.0 | 9.107 | 35.179 | 3.35 | 0.19 | 27.242 | 0.449 | 1492. | 2.9 |
| 292 | 294.1 | 8.957 | 35.164 | 3.38 | 0.19 | 27.254 | 0.451 | 1491. | 2.8 |
| 293 | 296.0 | 8.926 | 35.163 | 3.40 | 0.19 | 27.258 | 0.452 | 1491. | 2.7 |
| 295 | 298.0 | 8.913 | 35.163 | 3.40 | 0.20 | 27.260 | 0.454 | 1491. | 2.7 |
| 298 | 300.1 | 8.898 | 35.162 | 3.39 | 0.20 | 27.262 | 0.456 | 1491. | 2.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 12 | 12 JUL 1982 | 1512 | 40°16.6'N | 67°30.4'W | 1280 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 299 | 301.9 | 8.862 | 35.157 | 3.42 | 0.20 | 27.264 | 0.458 | 1491. | 2.7 |
| 301 | 304.0 | 8.815 | 35.153 | 3.42 | 0.20 | 27.268 | 0.459 | 1491. | 2.9 |
| 303 | 306.0 | 8.736 | 35.146 | 3.42 | 0.21 | 27.275 | 0.461 | 1490. | 3.2 |
| 305 | 308.1 | 8.611 | 35.134 | 3.44 | 0.21 | 27.286 | 0.463 | 1490. | 3.3 |
| 307 | 310.0 | 8.579 | 35.134 | 3.47 | 0.21 | 27.290 | 0.464 | 1490. | 3.4 |
| 309 | 311.9 | 8.499 | 35.126 | 3.48 | 0.22 | 27.297 | 0.466 | 1490. | 3.3 |
| 311 | 314.0 | 8.420 | 35.122 | 3.51 | 0.22 | 27.306 | 0.468 | 1489. | 3.2 |
| 313 | 316.0 | 8.376 | 35.120 | 3.49 | 0.22 | 27.311 | 0.469 | 1489. | 3.0 |
| 315 | 318.0 | 8.330 | 35.117 | 3.53 | 0.22 | 27.316 | 0.471 | 1489. | 2.8 |
| 317 | 320.0 | 8.295 | 35.115 | 3.55 | 0.22 | 27.320 | 0.473 | 1489. | 2.8 |
| 319 | 322.0 | 8.257 | 35.113 | 3.57 | 0.22 | 27.324 | 0.474 | 1489. | 2.8 |
| 321 | 324.0 | 8.248 | 35.114 | 3.58 | 0.22 | 27.326 | 0.476 | 1489. | 2.8 |
| 323 | 326.0 | 8.236 | 35.114 | 3.58 | 0.23 | 27.328 | 0.477 | 1489. | 2.8 |
| 325 | 328.0 | 8.097 | 35.104 | 3.61 | 0.23 | 27.341 | 0.479 | 1488. | 2.9 |
| 327 | 330.0 | 8.077 | 35.105 | 3.62 | 0.23 | 27.345 | 0.480 | 1488. | 3.0 |
| 329 | 332.0 | 8.058 | 35.105 | 3.65 | 0.23 | 27.348 | 0.482 | 1488. | 3.0 |
| 331 | 334.0 | 8.008 | 35.101 | 3.67 | 0.24 | 27.352 | 0.484 | 1488. | 3.0 |
| 333 | 336.0 | 7.941 | 35.097 | 3.70 | 0.24 | 27.360 | 0.485 | 1488. | 3.0 |
| 335 | 338.0 | 7.886 | 35.095 | 3.72 | 0.24 | 27.366 | 0.487 | 1488. | 3.1 |
| 337 | 340.1 | 7.854 | 35.094 | 3.73 | 0.24 | 27.370 | 0.488 | 1488. | 3.1 |
| 339 | 341.9 | 7.805 | 35.090 | 3.75 | 0.25 | 27.374 | 0.490 | 1487. | 3.0 |
| 341 | 344.1 | 7.713 | 35.086 | 3.79 | 0.25 | 27.384 | 0.491 | 1487. | 2.8 |
| 343 | 345.9 | 7.693 | 35.086 | 3.80 | 0.25 | 27.387 | 0.493 | 1487. | 2.7 |
| 345 | 348.0 | 7.669 | 35.085 | 3.82 | 0.25 | 27.390 | 0.494 | 1487. | 2.6 |
| 347 | 350.0 | 7.629 | 35.083 | 3.82 | 0.25 | 27.394 | 0.496 | 1487. | 2.6 |
| 349 | 352.0 | 7.614 | 35.082 | 3.85 | 0.26 | 27.396 | 0.497 | 1487. | 2.5 |
| 351 | 354.0 | 7.575 | 35.080 | 3.87 | 0.26 | 27.400 | 0.499 | 1487. | 2.6 |
| 353 | 356.0 | 7.532 | 35.077 | 3.88 | 0.26 | 27.404 | 0.500 | 1487. | 2.7 |
| 355 | 357.9 | 7.489 | 35.076 | 3.92 | 0.27 | 27.409 | 0.501 | 1487. | 2.8 |
| 357 | 360.0 | 7.441 | 35.074 | 3.92 | 0.27 | 27.415 | 0.503 | 1486. | 2.9 |
| 359 | 362.1 | 7.387 | 35.072 | 3.92 | 0.27 | 27.421 | 0.504 | 1486. | 2.8 |
| 361 | 364.0 | 7.348 | 35.069 | 3.97 | 0.27 | 27.424 | 0.506 | 1486. | 2.7 |
| 363 | 366.0 | 7.307 | 35.068 | 3.99 | 0.27 | 27.429 | 0.507 | 1486. | 2.4 |
| 365 | 368.0 | 7.264 | 35.066 | 4.00 | 0.27 | 27.434 | 0.509 | 1486. | 2.2 |
| 367 | 370.0 | 7.259 | 35.066 | 4.01 | 0.28 | 27.435 | 0.510 | 1486. | 2.1 |
| 369 | 372.1 | 7.255 | 35.066 | 4.02 | 0.28 | 27.436 | 0.511 | 1486. | 2.0 |
| 371 | 374.0 | 7.247 | 35.066 | 4.05 | 0.28 | 27.436 | 0.513 | 1486. | 2.1 |
| 373 | 376.0 | 7.194 | 35.061 | 4.07 | 0.28 | 27.440 | 0.514 | 1486. | 2.2 |
| 375 | 377.9 | 7.171 | 35.061 | 4.06 | 0.28 | 27.443 | 0.515 | 1486. | 2.4 |
| 377 | 380.0 | 7.134 | 35.059 | 4.06 | 0.29 | 27.446 | 0.517 | 1485. | 2.4 |
| 379 | 382.0 | 7.075 | 35.055 | 4.09 | 0.29 | 27.452 | 0.518 | 1485. | 2.3 |
| 381 | 383.9 | 7.033 | 35.054 | 4.12 | 0.29 | 27.457 | 0.520 | 1485. | 2.2 |
| 383 | 386.1 | 7.029 | 35.055 | 4.12 | 0.30 | 27.458 | 0.521 | 1485. | 2.2 |
| 385 | 387.9 | 7.026 | 35.055 | 4.14 | 0.30 | 27.458 | 0.522 | 1485. | 2.2 |
| 387 | 390.1 | 7.013 | 35.053 | 4.14 | 0.30 | 27.459 | 0.524 | 1485. | 2.2 |
| 389 | 391.9 | 6.983 | 35.052 | 4.16 | 0.30 | 27.462 | 0.525 | 1485. | 2.2 |
| 391 | 394.0 | 6.916 | 35.049 | 4.17 | 0.30 | 27.469 | 0.526 | 1485. | 2.3 |
| 393 | 395.9 | 6.896 | 35.049 | 4.19 | 0.31 | 27.472 | 0.528 | 1485. | 2.3 |
| 395 | 398.0 | 6.866 | 35.048 | 4.20 | 0.31 | 27.475 | 0.529 | 1485. | 2.2 |
| 396 | 399.9 | 6.847 | 35.048 | 4.22 | 0.31 | 27.478 | 0.530 | 1485. | 2.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 12 | 12 JUL 1982 | 1512 | 40°16.6'N | 67°30.4'W | 1280 |

| DEPTH<br>m | PRESS<br>dbar | TEMP<br>°C | SALIN<br>psu | OXY<br>ml/l | ATN<br>$m^{-1}$ | SIGT<br>$gm/cm^3$ | DYHT A<br>$10m^2/s^2$ | S SPD<br>m/s | N<br>cph |
|---|---|---|---|---|---|---|---|---|---|
| 399 | 402.0 | 6.835 | 35.047 | 4.22 | 0.31 | 27.479 | 0.532 | 1485. | 2.0 |
| 400 | 404.0 | 6.820 | 35.047 | 4.24 | 0.31 | 27.481 | 0.533 | 1485. | 2.3 |
| 403 | 406.0 | 6.804 | 35.045 | 4.27 | 0.31 | 27.482 | 0.534 | 1485. | 2.6 |
| 404 | 408.0 | 6.779 | 35.045 | 4.27 | 0.32 | 27.485 | 0.536 | 1485. | 2.9 |
| 406 | 410.0 | 6.716 | 35.041 | 4.28 | 0.32 | 27.491 | 0.537 | 1484. | 3.0 |
| 408 | 412.0 | 6.616 | 35.037 | 4.31 | 0.32 | 27.501 | 0.538 | 1484. | 3.0 |
| 410 | 414.1 | 6.537 | 35.035 | 4.33 | 0.32 | 27.510 | 0.539 | 1484. | 2.9 |
| 412 | 416.0 | 6.515 | 35.036 | 4.36 | 0.33 | 27.514 | 0.541 | 1484. | 2.6 |
| 414 | 418.0 | 6.508 | 35.036 | 4.39 | 0.33 | 27.515 | 0.542 | 1484. | 2.2 |
| 416 | 420.0 | 6.505 | 35.036 | 4.41 | 0.33 | 27.515 | 0.543 | 1484. | 1.9 |
| 418 | 422.0 | 6.503 | 35.037 | 4.43 | 0.33 | 27.516 | 0.544 | 1484. | 1.8 |
| 420 | 424.0 | 6.499 | 35.036 | 4.41 | 0.33 | 27.516 | 0.546 | 1484. | 2.0 |
| 422 | 426.0 | 6.466 | 35.034 | 4.43 | 0.34 | 27.519 | 0.547 | 1484. | 2.2 |
| 424 | 428.0 | 6.399 | 35.029 | 4.45 | 0.34 | 27.524 | 0.548 | 1483. | 2.4 |
| 426 | 430.0 | 6.351 | 35.028 | 4.48 | 0.34 | 27.529 | 0.549 | 1483. | 2.5 |
| 428 | 432.0 | 6.332 | 35.027 | 4.50 | 0.34 | 27.531 | 0.551 | 1483. | 2.6 |
| 430 | 434.0 | 6.282 | 35.023 | 4.48 | 0.34 | 27.534 | 0.552 | 1483. | 2.5 |
| 432 | 436.0 | 6.204 | 35.016 | 4.52 | 0.35 | 27.539 | 0.553 | 1483. | 2.3 |
| 434 | 438.0 | 6.172 | 35.015 | 4.56 | 0.35 | 27.543 | 0.554 | 1483. | 2.2 |
| 436 | 440.0 | 6.141 | 35.012 | 4.59 | 0.35 | 27.544 | 0.555 | 1483. | 2.1 |
| 438 | 442.0 | 6.114 | 35.009 | 4.60 | 0.36 | 27.546 | 0.557 | 1482. | 1.9 |
| 440 | 444.0 | 6.091 | 35.008 | 4.61 | 0.36 | 27.547 | 0.558 | 1482. | 1.7 |
| 442 | 446.0 | 6.066 | 35.006 | 4.63 | 0.36 | 27.550 | 0.559 | 1482. | 1.6 |
| 444 | 448.0 | 6.054 | 35.007 | 4.64 | 0.36 | 27.552 | 0.560 | 1482. | 1.4 |
| 446 | 450.1 | 6.054 | 35.008 | 4.62 | 0.37 | 27.552 | 0.561 | 1482. | 1.3 |
| 448 | 452.0 | 6.053 | 35.008 | 4.66 | 0.37 | 27.552 | 0.562 | 1482. | 1.4 |
| 450 | 454.0 | 6.052 | 35.008 | 4.66 | 0.37 | 27.553 | 0.564 | 1482. | 1.5 |
| 452 | 456.0 | 6.048 | 35.008 | 4.64 | 0.37 | 27.553 | 0.565 | 1482. | 1.6 |
| 454 | 458.0 | 6.029 | 35.007 | 4.64 | 0.37 | 27.555 | 0.566 | 1482. | 1.9 |
| 456 | 460.0 | 5.995 | 35.006 | 4.66 | 0.38 | 27.558 | 0.567 | 1482. | 2.1 |
| 458 | 462.1 | 5.970 | 35.006 | 4.69 | 0.38 | 27.562 | 0.568 | 1482. | 2.4 |
| 460 | 463.9 | 5.927 | 35.002 | 4.73 | 0.38 | 27.564 | 0.569 | 1482. | 2.7 |
| 462 | 466.1 | 5.868 | 34.998 | 4.70 | 0.38 | 27.568 | 0.571 | 1482. | 2.7 |
| 464 | 468.0 | 5.799 | 34.990 | 4.72 | 0.39 | 27.571 | 0.572 | 1482. | 2.7 |
| 466 | 470.0 | 5.678 | 34.983 | 4.79 | 0.39 | 27.580 | 0.573 | 1481. | 2.6 |
| 468 | 471.9 | 5.659 | 34.985 | 4.85 | 0.39 | 27.584 | 0.574 | 1481. | 2.4 |
| 470 | 473.9 | 5.650 | 34.986 | 4.84 | 0.39 | 27.586 | 0.575 | 1481. | 2.1 |
| 472 | 476.0 | 5.647 | 34.986 | 4.85 | 0.40 | 27.587 | 0.576 | 1481. | 1.9 |
| 474 | 478.0 | 5.646 | 34.987 | 4.84 | 0.40 | 27.587 | 0.577 | 1481. | 1.7 |
| 476 | 480.0 | 5.634 | 34.986 | 4.86 | 0.40 | 27.588 | 0.578 | 1481. | 1.6 |
| 478 | 481.9 | 5.630 | 34.988 | 4.92 | 0.40 | 27.590 | 0.580 | 1481. | 1.7 |
| 480 | 484.0 | 5.616 | 34.990 | 4.91 | 0.40 | 27.594 | 0.581 | 1481. | 1.7 |
| 482 | 486.0 | 5.602 | 34.990 | 4.87 | 0.41 | 27.595 | 0.582 | 1481. | 1.7 |
| 484 | 488.0 | 5.589 | 34.990 | 4.88 | 0.41 | 27.597 | 0.583 | 1481. | 1.6 |
| 486 | 490.0 | 5.597 | 34.994 | 4.92 | 0.41 | 27.599 | 0.584 | 1481. | 1.4 |
| 488 | 492.0 | 5.602 | 34.995 | 4.94 | 0.41 | 27.599 | 0.585 | 1481. | 1.3 |
| 490 | 494.0 | 5.595 | 34.995 | 4.91 | 0.41 | 27.600 | 0.586 | 1481. | 1.2 |
| 492 | 496.0 | 5.590 | 34.995 | 4.92 | 0.41 | 27.600 | 0.587 | 1481. | 1.1 |
| 494 | 498.0 | 5.589 | 34.995 | 4.92 | 0.41 | 27.601 | 0.588 | 1481. | 1.0 |
| 496 | 500.0 | 5.587 | 34.996 | 4.93 | 0.41 | 27.602 | 0.589 | 1481. | 1.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 12 | 12 JUL 1982 | 1512 | 40°16.6'N | 67°30.4'W | 1280 |

| DEPTH<br>m | PRESS<br>dbar | TEMP<br>°C | SALIN<br>psu | OXY<br>ml/l | ATN<br>$m^{-1}$ | SIGT<br>$gm/cm^3$ | DYHT A<br>$10m^2/s^2$ | S SPD<br>m/s | N<br>cph |
|---|---|---|---|---|---|---|---|---|---|
| 515 | 520.0 | 5.495 | 34.995 | 4.97 | 0.43 | 27.612 | 0.600 | 1481. | 1.5 |
| 535 | 540.0 | 5.343 | 34.987 | 5.05 | 0.44 | 27.625 | 0.611 | 1481. | 1.7 |
| 555 | 560.1 | 5.133 | 34.977 | 5.19 | 0.44 | 27.641 | 0.621 | 1480. | 1.7 |
| 575 | 580.0 | 5.026 | 34.971 | 5.26 | 0.45 | 27.650 | 0.631 | 1480. | 1.2 |
| 595 | 600.0 | 4.974 | 34.971 | 5.31 | 0.46 | 27.656 | 0.641 | 1480. | 0.8 |
| 614 | 620.0 | 4.960 | 34.971 | 5.32 | 0.47 | 27.657 | 0.651 | 1481. | 0.9 |
| 634 | 639.9 | 4.874 | 34.968 | 5.38 | 0.47 | 27.665 | 0.661 | 1481. | 0.7 |
| 654 | 659.9 | 4.810 | 34.967 | 5.42 | 0.47 | 27.671 | 0.671 | 1481. | 1.2 |
| 674 | 680.0 | 4.686 | 34.962 | 5.48 | 0.46 | 27.682 | 0.680 | 1481. | 1.5 |
| 693 | 699.9 | 4.624 | 34.960 | 5.51 | 0.46 | 27.687 | 0.690 | 1481. | 0.8 |
| 713 | 719.9 | 4.551 | 34.956 | 5.57 | 0.46 | 27.691 | 0.699 | 1481. | 1.1 |
| 732 | 739.0 | 4.497 | 34.952 | 5.58 | 0.46 | 27.695 | 0.708 | 1481. | 0.5 |

STA 13 DAY: 12 TIME: 1634

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 24.3 | 28.2 | 21.0 | 49.6 | 16.0 | 99.9 | 14.8 | 148.9 | 13.3 |
| 0.0 | 24.2 | 28.2 | 20.9 | 50.6 | 15.9 | 100.8 | 14.6 | 149.9 | 13.3 |
| 1.0 | 24.2 | 28.2 | 20.7 | 51.5 | 15.9 | 102.8 | 14.5 | 150.8 | 13.3 |
| 1.9 | 24.2 | 28.2 | 20.6 | 52.5 | 16.0 | 102.8 | 14.3 | 150.8 | 13.2 |
| 1.9 | 24.1 | 28.2 | 20.5 | 53.5 | 16.0 | 102.8 | 14.3 | 152.7 | 13.2 |
| 3.9 | 24.1 | 28.2 | 20.4 | 54.4 | 16.1 | 103.7 | 14.2 | 154.7 | 13.2 |
| 4.9 | 24.1 | 29.2 | 20.2 | 55.4 | 16.1 | 105.6 | 14.0 | 155.6 | 13.2 |
| 6.8 | 24.1 | 29.2 | 20.1 | 55.4 | 16.1 | 105.6 | 13.9 | 156.6 | 13.1 |
| 7.8 | 24.1 | 29.2 | 20.0 | 56.4 | 16.2 | 106.6 | 13.8 | 157.5 | 13.0 |
| 8.8 | 24.0 | 28.2 | 19.8 | 56.4 | 16.3 | 106.6 | 13.7 | 159.4 | 13.0 |
| 8.8 | 23.9 | 29.2 | 19.7 | 56.4 | 16.4 | 107.6 | 13.6 | 160.4 | 13.0 |
| 8.8 | 23.8 | 29.2 | 19.5 | 57.3 | 16.5 | 108.5 | 13.6 | 162.3 | 12.9 |
| 8.8 | 23.7 | 30.2 | 19.2 | 58.3 | 16.7 | 109.5 | 13.5 | 163.3 | 12.9 |
| 9.7 | 23.6 | 30.2 | 18.9 | 58.3 | 16.8 | 109.5 | 13.4 | 164.2 | 12.8 |
| 10.7 | 23.5 | 30.2 | 18.4 | 59.3 | 16.9 | 109.5 | 13.3 | 167.1 | 12.7 |
| 10.7 | 23.5 | 30.2 | 18.2 | 61.2 | 16.9 | 110.5 | 13.3 | 168.1 | 12.7 |
| 11.7 | 23.4 | 30.2 | 18.0 | 63.1 | 16.9 | 111.4 | 13.2 | 170.0 | 12.7 |
| 12.7 | 23.4 | 30.2 | 17.9 | 65.1 | 16.9 | 113.4 | 13.2 | 170.9 | 12.5 |
| 12.7 | 23.4 | 30.2 | 17.7 | 66.0 | 16.9 | 114.3 | 13.2 | 170.9 | 12.4 |
| 13.6 | 23.4 | 30.2 | 17.6 | 67.0 | 16.9 | 116.2 | 13.2 | 171.9 | 12.4 |
| 14.6 | 23.4 | 31.1 | 17.4 | 68.0 | 16.8 | 117.2 | 13.1 | 174.8 | 12.3 |
| 14.6 | 23.5 | 31.1 | 17.3 | 69.9 | 16.8 | 118.2 | 13.1 | 176.7 | 12.3 |
| 14.6 | 23.6 | 31.1 | 17.2 | 71.9 | 16.8 | 119.1 | 13.0 | 178.6 | 12.2 |
| 15.6 | 23.7 | 32.1 | 17.0 | 73.8 | 16.7 | 120.1 | 13.0 | 180.5 | 12.2 |
| 15.6 | 23.7 | 32.1 | 16.8 | 74.8 | 16.7 | 122.0 | 13.0 | 183.4 | 12.2 |
| 16.6 | 23.7 | 32.1 | 16.7 | 74.8 | 16.6 | 123.0 | 13.1 | 184.3 | 12.1 |
| 17.5 | 23.8 | 32.1 | 16.6 | 75.7 | 16.6 | 123.0 | 13.2 | 186.2 | 12.0 |
| 19.5 | 23.8 | 33.1 | 16.5 | 76.7 | 16.6 | 123.9 | 13.4 | 189.1 | 12.0 |
| 20.4 | 23.7 | 33.1 | 16.4 | 77.7 | 16.5 | 123.9 | 13.4 | 191.0 | 11.9 |
| 21.4 | 23.7 | 33.1 | 16.3 | 77.7 | 16.4 | 124.9 | 13.4 | 192.0 | 11.8 |
| 21.4 | 23.6 | 34.1 | 16.2 | 78.6 | 16.3 | 125.9 | 13.4 | 193.9 | 11.8 |
| 22.4 | 23.5 | 34.1 | 16.1 | 79.6 | 16.2 | 126.8 | 13.4 | 194.8 | 11.8 |
| 23.4 | 23.4 | 35.0 | 16.0 | 81.5 | 16.2 | 127.8 | 13.3 | 196.7 | 11.7 |
| 23.4 | 23.2 | 36.0 | 16.0 | 83.5 | 16.2 | 127.8 | 13.2 | 198.6 | 11.7 |
| 23.4 | 23.1 | 37.0 | 16.0 | 84.4 | 16.2 | 128.7 | 13.2 | 199.6 | 11.6 |
| 24.3 | 23.0 | 37.0 | 16.1 | 85.4 | 16.1 | 129.7 | 13.2 | 201.5 | 11.5 |
| 24.3 | 22.9 | 37.9 | 16.2 | 87.3 | 16.1 | 130.7 | 13.1 | 203.4 | 11.5 |
| 24.3 | 22.7 | 37.9 | 16.2 | 88.3 | 16.1 | 131.6 | 13.1 | 206.3 | 11.4 |
| 24.3 | 22.6 | 38.9 | 16.2 | 89.2 | 16.1 | 132.6 | 13.1 | 207.2 | 11.4 |
| 24.3 | 22.4 | 39.9 | 16.2 | 90.2 | 16.1 | 134.5 | 13.0 | 208.2 | 11.4 |
| 25.3 | 22.3 | 40.9 | 16.3 | 92.1 | 16.0 | 136.4 | 13.0 | 210.1 | 11.3 |
| 26.3 | 22.2 | 41.8 | 16.3 | 93.1 | 15.9 | 138.3 | 13.0 | 211.0 | 11.3 |
| 26.3 | 22.0 | 42.8 | 16.3 | 93.1 | 15.9 | 139.3 | 13.0 | 212.9 | 11.3 |
| 26.3 | 21.9 | 44.7 | 16.3 | 94.1 | 15.8 | 142.2 | 13.0 | 214.8 | 11.2 |
| 26.3 | 21.8 | 46.7 | 16.3 | 94.1 | 15.7 | 142.2 | 13.0 | 216.7 | 11.2 |
| 26.3 | 21.6 | 47.6 | 16.2 | 96.0 | 15.6 | 143.1 | 13.1 | 218.6 | 11.1 |
| 26.3 | 21.5 | 48.6 | 16.2 | 97.9 | 15.5 | 144.1 | 13.2 | 221.5 | 11.1 |
| 27.3 | 21.4 | 48.6 | 16.1 | 98.9 | 15.4 | 146.0 | 13.2 | 222.4 | 11.0 |
| 27.3 | 21.2 | 48.6 | 16.1 | 99.9 | 15.2 | 146.0 | 13.2 | 224.4 | 11.0 |
| 28.2 | 21.1 | 49.6 | 16.0 | 99.9 | 15.0 | 147.0 | 13.2 | 226.3 | 10.9 |

STA 13 DAY: 12 TIME: 1634

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 227.2 | 10.9 | 291.6 | 8.4 | 384.5 | 6.8 | 498.6 | 5.4 | 692.5 | 4.6 |
| 228.2 | 10.8 | 293.5 | 8.4 | 385.5 | 6.7 | 500.4 | 5.4 | 698.8 | 4.6 |
| 228.2 | 10.8 | 294.4 | 8.4 | 387.3 | 6.6 | 503.2 | 5.4 | 703.2 | 4.6 |
| 230.1 | 10.7 | 295.4 | 8.3 | 387.3 | 6.6 | 505.0 | 5.4 | 708.6 | 4.6 |
| 232.9 | 10.7 | 297.3 | 8.3 | 391.1 | 6.6 | 509.6 | 5.3 | 714.9 | 4.6 |
| 233.9 | 10.7 | 299.2 | 8.3 | 392.9 | 6.5 | 513.3 | 5.3 | 718.5 | 4.6 |
| 234.8 | 10.6 | 300.1 | 8.3 | 395.7 | 6.5 | 517.0 | 5.3 | 721.2 | 4.6 |
| 238.6 | 10.6 | 301.0 | 8.2 | 397.6 | 6.5 | 519.8 | 5.3 | 724.8 | 4.6 |
| 240.5 | 10.6 | 302.0 | 8.2 | 400.4 | 6.5 | 522.5 | 5.3 | 725.7 | 4.6 |
| 242.4 | 10.5 | 302.9 | 8.1 | 402.3 | 6.4 | 526.2 | 5.3 | 727.5 | 4.6 |
| 242.4 | 10.4 | 304.8 | 8.1 | 403.2 | 6.4 | 528.9 | 5.3 | 728.4 | 4.5 |
| 244.3 | 10.4 | 305.8 | 8.0 | 406.0 | 6.4 | 530.8 | 5.3 | 731.0 | 4.5 |
| 245.2 | 10.3 | 305.8 | 8.0 | 406.9 | 6.4 | 532.6 | 5.3 | 734.6 | 4.5 |
| 246.2 | 10.3 | 307.6 | 8.0 | 410.6 | 6.4 | 533.5 | 5.3 | 737.3 | 4.5 |
| 247.1 | 10.2 | 310.5 | 8.0 | 411.6 | 6.4 | 534.4 | 5.2 | 743.6 | 4.5 |
| 249.0 | 10.2 | 313.3 | 7.9 | 412.5 | 6.3 | 538.1 | 5.2 | 745.3 | 4.4 |
| 250.9 | 10.2 | 316.1 | 7.9 | 413.4 | 6.2 | 541.8 | 5.2 | 746.2 | 4.4 |
| 253.8 | 10.2 | 318.0 | 7.9 | 415.3 | 6.2 | 544.5 | 5.2 | 749.8 | 4.4 |
| 254.7 | 10.1 | 319.9 | 7.8 | 418.1 | 6.1 | 548.2 | 5.1 | 751.6 | 4.4 |
| 255.7 | 10.0 | 320.8 | 7.8 | 419.9 | 6.1 | 550.9 | 5.1 | 753.4 | 4.4 |
| 256.6 | 9.9 | 322.7 | 7.7 | 421.8 | 6.1 | 553.7 | 5.0 | | |
| 258.5 | 9.9 | 324.6 | 7.6 | 423.7 | 6.1 | 557.3 | 5.0 | | |
| 260.4 | 9.8 | 326.5 | 7.5 | 425.5 | 6.0 | 559.2 | 5.0 | | |
| 262.3 | 9.8 | 328.3 | 7.5 | 428.3 | 6.0 | 564.7 | 5.0 | | |
| 264.2 | 9.7 | 330.2 | 7.5 | 431.1 | 6.0 | 569.2 | 5.0 | | |
| 265.1 | 9.7 | 333.0 | 7.5 | 433.9 | 6.0 | 572.9 | 5.0 | | |
| 265.1 | 9.5 | 334.9 | 7.5 | 436.7 | 6.0 | 577.4 | 5.0 | | |
| 266.1 | 9.4 | 335.9 | 7.4 | 438.5 | 5.9 | 581.1 | 5.0 | | |
| 267.0 | 9.4 | 338.7 | 7.4 | 440.4 | 5.9 | 584.7 | 5.0 | | |
| 268.0 | 9.3 | 339.6 | 7.3 | 443.2 | 5.9 | 590.2 | 5.0 | | |
| 268.9 | 9.3 | 341.5 | 7.3 | 444.1 | 5.9 | 593.8 | 5.0 | | |
| 269.9 | 9.3 | 343.4 | 7.3 | 445.9 | 5.8 | 596.6 | 4.9 | | |
| 270.8 | 9.2 | 346.2 | 7.2 | 447.8 | 5.8 | 599.3 | 4.9 | | |
| 272.7 | 9.2 | 349.0 | 7.2 | 450.6 | 5.8 | 605.7 | 4.9 | | |
| 273.7 | 9.2 | 351.8 | 7.2 | 450.6 | 5.8 | 609.3 | 4.9 | | |
| 274.6 | 9.2 | 352.7 | 7.2 | 453.3 | 5.7 | 612.0 | 4.8 | | |
| 275.6 | 9.1 | 353.7 | 7.2 | 455.2 | 5.7 | 615.7 | 4.8 | | |
| 276.5 | 9.1 | 355.6 | 7.1 | 456.1 | 5.6 | 617.5 | 4.9 | | |
| 276.5 | 9.0 | 358.4 | 7.1 | 458.0 | 5.5 | 622.0 | 4.8 | | |
| 278.4 | 9.0 | 361.2 | 7.1 | 458.9 | 5.5 | 628.4 | 4.8 | | |
| 280.3 | 8.9 | 362.1 | 7.1 | 461.7 | 5.5 | 632.0 | 4.8 | | |
| 281.2 | 8.9 | 364.9 | 7.1 | 463.5 | 5.5 | 638.3 | 4.7 | | |
| 282.2 | 8.9 | 366.8 | 7.1 | 468.2 | 5.5 | 641.9 | 4.7 | | |
| 284.1 | 8.8 | 368.7 | 7.0 | 470.9 | 5.5 | 648.3 | 4.7 | | |
| 285.9 | 8.8 | 371.5 | 7.0 | 476.5 | 5.5 | 658.2 | 4.6 | | |
| 286.9 | 8.8 | 373.3 | 6.9 | 479.2 | 5.5 | 664.5 | 4.6 | | |
| 287.8 | 8.7 | 376.1 | 6.9 | 483.9 | 5.5 | 670.0 | 4.7 | | |
| 287.8 | 8.6 | 378.0 | 6.9 | 486.6 | 5.5 | 675.4 | 4.6 | | |
| 288.8 | 8.5 | 380.8 | 6.9 | 490.3 | 5.4 | 680.8 | 4.6 | | |
| 289.7 | 8.5 | 382.7 | 6.9 | 494.0 | 5.4 | 685.3 | 4.6 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 14 | 12 JUL 1982 | 1625 | 40°17.5'N | 67°39.1'W | 1205 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.1 | 23.983 | 34.814 | 4.77 | 0.17 | 23.507 | 0.000 | 1532. | 9.7 |
| 4 | 4.0 | 23.983 | 34.813 | 4.80 | 0.17 | 23.506 | 0.008 | 1532. | 9.7 |
| 6 | 6.0 | 23.996 | 34.811 | 4.79 | 0.17 | 23.501 | 0.017 | 1532. | 9.7 |
| 8 | 8.0 | 23.894 | 34.822 | 4.82 | 0.17 | 23.539 | 0.026 | 1532. | 9.7 |
| 10 | 9.9 | 23.640 | 34.846 | 4.83 | 0.16 | 23.633 | 0.034 | 1531. | 9.7 |
| 12 | 12.0 | 23.416 | 34.869 | 4.82 | 0.17 | 23.715 | 0.043 | 1531. | 11.1 |
| 14 | 14.0 | 23.172 | 34.847 | 4.84 | 0.17 | 23.769 | 0.051 | 1530. | 11.9 |
| 16 | 16.1 | 22.818 | 34.801 | 4.89 | 0.17 | 23.837 | 0.060 | 1529. | 12.4 |
| 18 | 17.9 | 22.267 | 34.773 | 4.99 | 0.17 | 23.972 | 0.067 | 1528. | 13.3 |
| 20 | 20.1 | 21.666 | 34.767 | 5.03 | 0.18 | 24.135 | 0.075 | 1526. | 14.5 |
| 22 | 22.0 | 21.410 | 34.754 | 5.11 | 0.17 | 24.196 | 0.083 | 1525. | 15.4 |
| 24 | 24.0 | 21.019 | 34.760 | 5.18 | 0.17 | 24.308 | 0.090 | 1524. | 16.4 |
| 26 | 26.0 | 20.257 | 34.848 | 5.27 | 0.18 | 24.579 | 0.097 | 1522. | 17.0 |
| 28 | 28.0 | 19.630 | 34.937 | 5.38 | 0.18 | 24.812 | 0.103 | 1521. | 17.3 |
| 30 | 30.1 | 19.066 | 34.940 | 5.48 | 0.19 | 24.960 | 0.110 | 1519. | 17.2 |
| 32 | 31.9 | 18.195 | 34.979 | 5.62 | 0.21 | 25.209 | 0.115 | 1517. | 16.4 |
| 34 | 34.0 | 17.667 | 35.071 | 5.63 | 0.24 | 25.409 | 0.121 | 1515. | 15.0 |
| 36 | 36.0 | 17.333 | 35.107 | 5.66 | 0.29 | 25.517 | 0.125 | 1515. | 13.5 |
| 38 | 38.0 | 17.041 | 35.105 | 5.70 | 0.31 | 25.586 | 0.131 | 1514. | 12.1 |
| 40 | 40.1 | 16.776 | 35.101 | 5.73 | 0.33 | 25.646 | 0.135 | 1513. | 10.5 |
| 42 | 42.0 | 16.768 | 35.155 | 5.66 | 0.37 | 25.689 | 0.140 | 1513. | 10.1 |
| 44 | 44.0 | 16.744 | 35.218 | 5.62 | 0.42 | 25.743 | 0.144 | 1513. | 10.2 |
| 46 | 46.1 | 16.818 | 35.286 | 5.53 | 0.50 | 25.778 | 0.149 | 1513. | 10.6 |
| 48 | 47.9 | 16.738 | 35.340 | 5.49 | 0.71 | 25.838 | 0.153 | 1513. | 10.8 |
| 50 | 50.0 | 16.329 | 35.444 | 5.29 | 0.56 | 26.014 | 0.157 | 1512. | 10.6 |
| 52 | 52.0 | 16.312 | 35.505 | 4.89 | 0.25 | 26.065 | 0.161 | 1512. | 10.1 |
| 54 | 54.1 | 16.443 | 35.662 | 4.64 | 0.19 | 26.155 | 0.165 | 1513. | 9.7 |
| 56 | 56.0 | 16.518 | 35.711 | 4.40 | 0.16 | 26.175 | 0.169 | 1513. | 8.8 |
| 58 | 58.0 | 16.542 | 35.722 | 4.26 | 0.15 | 26.178 | 0.173 | 1513. | 7.5 |
| 60 | 60.1 | 16.607 | 35.785 | 4.17 | 0.15 | 26.212 | 0.177 | 1514. | 6.9 |
| 61 | 62.0 | 16.702 | 35.909 | 4.15 | 0.13 | 26.284 | 0.180 | 1514. | 6.2 |
| 63 | 64.0 | 16.743 | 35.938 | 4.02 | 0.12 | 26.296 | 0.183 | 1514. | 6.1 |
| 65 | 66.0 | 16.701 | 35.937 | 3.94 | 0.11 | 26.306 | 0.187 | 1514. | 6.1 |
| 67 | 68.0 | 16.672 | 35.938 | 3.90 | 0.11 | 26.313 | 0.190 | 1514. | 5.8 |
| 69 | 70.0 | 16.605 | 35.941 | 3.90 | 0.11 | 26.332 | 0.194 | 1514. | 5.8 |
| 71 | 72.0 | 16.565 | 35.955 | 3.87 | 0.10 | 26.352 | 0.197 | 1514. | 6.1 |
| 73 | 73.9 | 16.612 | 36.022 | 3.84 | 0.10 | 26.392 | 0.200 | 1514. | 6.2 |
| 75 | 76.1 | 16.286 | 35.958 | 3.84 | 0.09 | 26.419 | 0.204 | 1513. | 6.0 |
| 77 | 78.0 | 16.221 | 35.983 | 3.84 | 0.09 | 26.454 | 0.207 | 1513. | 5.7 |
| 79 | 80.0 | 16.240 | 36.006 | 3.82 | 0.09 | 26.467 | 0.210 | 1513. | 5.7 |
| 81 | 82.0 | 16.216 | 36.004 | 3.77 | 0.09 | 26.471 | 0.213 | 1513. | 5.5 |
| 83 | 84.0 | 16.209 | 36.007 | 3.75 | 0.09 | 26.475 | 0.216 | 1513. | 5.4 |
| 85 | 86.0 | 16.125 | 36.008 | 3.74 | 0.09 | 26.495 | 0.219 | 1513. | 5.3 |
| 87 | 88.0 | 16.233 | 36.112 | 3.69 | 0.08 | 26.551 | 0.222 | 1513. | 5.3 |
| 89 | 90.0 | 16.268 | 36.136 | 3.62 | 0.08 | 26.561 | 0.226 | 1513. | 5.2 |
| 91 | 92.0 | 16.224 | 36.132 | 3.59 | 0.08 | 26.567 | 0.229 | 1513. | 4.8 |
| 93 | 94.0 | 16.055 | 36.098 | 3.58 | 0.07 | 26.581 | 0.231 | 1513. | 4.2 |
| 95 | 96.0 | 15.959 | 36.079 | 3.57 | 0.07 | 26.589 | 0.234 | 1512. | 3.4 |
| 97 | 98.0 | 15.387 | 36.063 | 3.60 | 0.07 | 26.593 | 0.237 | 1512. | 3.3 |
| 99 | 100.1 | 15.785 | 36.039 | 3.63 | 0.07 | 26.597 | 0.240 | 1512. | 3.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 14 | 12 JUL 1982 | 1620 | 40°17.5'N | 67°39.1'W | 1205 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 101.9 | 15.701 | 36.018 | 3.66 | 0.07 | 26.601 | 0.243 | 1512. | 3.4 |
| 103 | 104.0 | 15.559 | 35.991 | 3.66 | 0.07 | 26.612 | 0.246 | 1511. | 3.5 |
| 105 | 106.1 | 15.449 | 35.963 | 3.70 | 0.07 | 26.615 | 0.249 | 1511. | 3.6 |
| 107 | 108.0 | 15.163 | 35.894 | 3.77 | 0.07 | 26.626 | 0.252 | 1510. | 3.9 |
| 109 | 110.0 | 15.030 | 35.875 | 3.80 | 0.07 | 26.641 | 0.255 | 1510. | 4.1 |
| 111 | 112.0 | 14.978 | 35.866 | 3.83 | 0.07 | 26.645 | 0.258 | 1509. | 4.0 |
| 113 | 114.0 | 14.747 | 35.812 | 3.90 | 0.07 | 26.655 | 0.260 | 1509. | 4.0 |
| 115 | 116.0 | 14.531 | 35.776 | 3.94 | 0.07 | 26.674 | 0.263 | 1508. | 3.7 |
| 117 | 117.9 | 14.479 | 35.771 | 3.99 | 0.07 | 26.681 | 0.266 | 1508. | 3.4 |
| 119 | 120.0 | 14.398 | 35.753 | 4.01 | 0.07 | 26.685 | 0.269 | 1508. | 3.5 |
| 121 | 122.0 | 14.366 | 35.747 | 4.04 | 0.07 | 26.688 | 0.272 | 1508. | 3.6 |
| 123 | 124.0 | 14.357 | 35.747 | 4.05 | 0.07 | 26.689 | 0.274 | 1508. | 3.9 |
| 125 | 126.1 | 14.348 | 35.750 | 4.05 | 0.07 | 26.693 | 0.277 | 1508. | 4.2 |
| 127 | 128.0 | 14.150 | 35.728 | 4.08 | 0.07 | 26.719 | 0.280 | 1507. | 4.5 |
| 129 | 130.0 | 13.896 | 35.679 | 4.08 | 0.07 | 26.735 | 0.282 | 1506. | 4.7 |
| 131 | 132.0 | 13.709 | 35.652 | 4.06 | 0.07 | 26.753 | 0.285 | 1505. | 4.7 |
| 133 | 134.0 | 13.634 | 35.640 | 4.12 | 0.07 | 26.759 | 0.288 | 1505. | 4.5 |
| 135 | 136.0 | 13.536 | 35.632 | 4.22 | 0.07 | 26.773 | 0.290 | 1505. | 4.1 |
| 137 | 138.0 | 13.636 | 35.682 | 4.21 | 0.07 | 26.791 | 0.293 | 1505. | 3.9 |
| 139 | 140.1 | 13.634 | 35.681 | 4.15 | 0.07 | 26.791 | 0.296 | 1505. | 3.7 |
| 141 | 142.0 | 13.564 | 35.668 | 4.15 | 0.07 | 26.796 | 0.298 | 1505. | 3.6 |
| 143 | 144.0 | 13.467 | 35.654 | 4.16 | 0.07 | 26.805 | 0.301 | 1505. | 3.4 |
| 145 | 146.0 | 13.349 | 35.634 | 4.19 | 0.07 | 26.814 | 0.303 | 1505. | 3.5 |
| 147 | 148.0 | 13.296 | 35.629 | 4.23 | 0.07 | 26.820 | 0.306 | 1504. | 3.8 |
| 149 | 150.0 | 13.267 | 35.628 | 4.22 | 0.07 | 26.826 | 0.308 | 1504. | 3.9 |
| 151 | 152.0 | 13.198 | 35.624 | 4.18 | 0.07 | 26.837 | 0.311 | 1504. | 4.0 |
| 153 | 154.1 | 13.136 | 35.622 | 4.15 | 0.07 | 26.848 | 0.313 | 1504. | 4.0 |
| 155 | 155.9 | 13.124 | 35.639 | 4.08 | 0.07 | 26.863 | 0.316 | 1504. | 3.9 |
| 157 | 158.0 | 13.109 | 35.649 | 3.96 | 0.07 | 26.874 | 0.318 | 1504. | 3.8 |
| 159 | 160.1 | 13.081 | 35.651 | 3.85 | 0.07 | 26.882 | 0.321 | 1504. | 3.6 |
| 161 | 161.9 | 13.064 | 35.653 | 3.78 | 0.07 | 26.887 | 0.323 | 1504. | 3.5 |
| 163 | 164.0 | 13.043 | 35.652 | 3.71 | 0.07 | 26.890 | 0.325 | 1504. | 3.4 |
| 165 | 166.1 | 12.983 | 35.644 | 3.70 | 0.07 | 26.896 | 0.328 | 1504. | 3.4 |
| 167 | 168.0 | 12.868 | 35.629 | 3.69 | 0.07 | 26.908 | 0.330 | 1503. | 3.4 |
| 169 | 170.0 | 12.804 | 35.622 | 3.70 | 0.07 | 26.915 | 0.332 | 1503. | 3.5 |
| 171 | 172.0 | 12.734 | 35.614 | 3.72 | 0.07 | 26.923 | 0.335 | 1503. | 3.5 |
| 173 | 174.0 | 12.685 | 35.609 | 3.71 | 0.07 | 26.929 | 0.337 | 1503. | 3.4 |
| 175 | 176.0 | 12.643 | 35.608 | 3.66 | 0.08 | 26.936 | 0.339 | 1503. | 3.2 |
| 177 | 178.0 | 12.604 | 35.609 | 3.62 | 0.07 | 26.945 | 0.342 | 1503. | 3.2 |
| 178 | 180.0 | 12.584 | 35.608 | 3.56 | 0.07 | 26.948 | 0.344 | 1502. | 3.1 |
| 180 | 181.9 | 12.543 | 35.604 | 3.51 | 0.08 | 26.953 | 0.346 | 1502. | 3.1 |
| 183 | 184.1 | 12.498 | 35.598 | 3.49 | 0.07 | 26.958 | 0.349 | 1502. | 2.9 |
| 184 | 186.0 | 12.406 | 35.588 | 3.51 | 0.07 | 26.968 | 0.351 | 1502. | 2.8 |
| 186 | 188.0 | 12.375 | 35.586 | 3.54 | 0.07 | 26.972 | 0.353 | 1502. | 2.8 |
| 188 | 190.0 | 12.356 | 35.583 | 3.53 | 0.07 | 26.974 | 0.355 | 1502. | 2.8 |
| 190 | 192.0 | 12.322 | 35.578 | 3.55 | 0.07 | 26.976 | 0.357 | 1502. | 3.0 |
| 192 | 194.0 | 12.259 | 35.569 | 3.57 | 0.07 | 26.982 | 0.360 | 1502. | 3.2 |
| 194 | 196.0 | 12.191 | 35.560 | 3.56 | 0.07 | 26.988 | 0.362 | 1501. | 3.4 |
| 196 | 198.0 | 12.079 | 35.542 | 3.59 | 0.07 | 26.996 | 0.364 | 1501. | 3.5 |
| 198 | 200.0 | 11.923 | 35.522 | 3.60 | 0.07 | 27.010 | 0.366 | 1500. | 3.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 14 | 12 JUL 1982 | 1620 | 40°17.5'N | 67°39.1'W | 1205 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 202.0 | 11.848 | 35.516 | 3.59 | 0.07 | 27.020 | 0.368 | 1500. | 3.5 |
| 202 | 204.0 | 11.806 | 35.511 | 3.56 | 0.07 | 27.024 | 0.371 | 1500. | 3.4 |
| 204 | 205.9 | 11.767 | 35.504 | 3.56 | 0.07 | 27.026 | 0.373 | 1500. | 3.4 |
| 206 | 208.1 | 11.677 | 35.491 | 3.54 | 0.08 | 27.033 | 0.375 | 1500. | 3.3 |
| 208 | 209.9 | 11.607 | 35.484 | 3.53 | 0.07 | 27.040 | 0.377 | 1500. | 3.3 |
| 210 | 212.0 | 11.490 | 35.465 | 3.51 | 0.07 | 27.048 | 0.379 | 1499. | 3.4 |
| 212 | 214.0 | 11.379 | 35.452 | 3.49 | 0.07 | 27.058 | 0.381 | 1499. | 3.5 |
| 214 | 216.0 | 11.299 | 35.441 | 3.47 | 0.07 | 27.065 | 0.383 | 1499. | 3.3 |
| 216 | 217.9 | 11.233 | 35.432 | 3.44 | 0.07 | 27.070 | 0.385 | 1498. | 3.1 |
| 218 | 219.9 | 11.162 | 35.423 | 3.42 | 0.08 | 27.076 | 0.387 | 1498. | 2.9 |
| 220 | 222.0 | 11.088 | 35.415 | 3.41 | 0.08 | 27.083 | 0.390 | 1498. | 2.7 |
| 222 | 224.0 | 11.085 | 35.415 | 3.41 | 0.08 | 27.084 | 0.392 | 1498. | 2.6 |
| 224 | 226.0 | 11.080 | 35.415 | 3.40 | 0.08 | 27.085 | 0.394 | 1498. | 2.6 |
| 226 | 228.0 | 10.998 | 35.403 | 3.41 | 0.08 | 27.090 | 0.396 | 1498. | 2.6 |
| 228 | 230.0 | 10.969 | 35.400 | 3.41 | 0.09 | 27.093 | 0.398 | 1498. | 2.6 |
| 230 | 232.0 | 10.868 | 35.385 | 3.42 | 0.09 | 27.100 | 0.400 | 1497. | 2.6 |
| 232 | 234.0 | 10.818 | 35.382 | 3.41 | 0.09 | 27.106 | 0.402 | 1497. | 2.7 |
| 234 | 236.0 | 10.803 | 35.380 | 3.39 | 0.09 | 27.108 | 0.404 | 1497. | 2.8 |
| 236 | 238.0 | 10.765 | 35.375 | 3.39 | 0.09 | 27.111 | 0.406 | 1497. | 2.9 |
| 238 | 240.0 | 10.734 | 35.371 | 3.38 | 0.09 | 27.113 | 0.408 | 1497. | 3.0 |
| 240 | 242.0 | 10.615 | 35.353 | 3.38 | 0.09 | 27.120 | 0.410 | 1496. | 3.1 |
| 242 | 244.0 | 10.481 | 35.336 | 3.37 | 0.09 | 27.131 | 0.412 | 1496. | 3.2 |
| 244 | 246.1 | 10.396 | 35.326 | 3.37 | 0.09 | 27.138 | 0.414 | 1496. | 3.3 |
| 246 | 248.0 | 10.338 | 35.320 | 3.36 | 0.09 | 27.144 | 0.416 | 1496. | 3.2 |
| 248 | 250.0 | 10.271 | 35.311 | 3.35 | 0.09 | 27.149 | 0.417 | 1495. | 3.0 |
| 250 | 252.0 | 10.202 | 35.302 | 3.34 | 0.09 | 27.153 | 0.419 | 1495. | 2.8 |
| 252 | 253.9 | 10.157 | 35.298 | 3.35 | 0.09 | 27.158 | 0.421 | 1495. | 2.6 |
| 254 | 256.0 | 10.114 | 35.293 | 3.33 | 0.09 | 27.161 | 0.423 | 1495. | 2.5 |
| 256 | 258.1 | 10.069 | 35.287 | 3.34 | 0.09 | 27.164 | 0.425 | 1495. | 2.5 |
| 258 | 259.9 | 10.033 | 35.283 | 3.34 | 0.09 | 27.168 | 0.427 | 1495. | 2.7 |
| 260 | 262.0 | 10.004 | 35.280 | 3.32 | 0.10 | 27.170 | 0.429 | 1494. | 2.8 |
| 262 | 264.0 | 9.952 | 35.272 | 3.33 | 0.10 | 27.173 | 0.431 | 1494. | 2.9 |
| 264 | 266.0 | 9.797 | 35.249 | 3.33 | 0.10 | 27.181 | 0.433 | 1494. | 3.0 |
| 266 | 268.1 | 9.720 | 35.246 | 3.32 | 0.10 | 27.192 | 0.435 | 1494. | 3.1 |
| 268 | 270.0 | 9.705 | 35.244 | 3.33 | 0.10 | 27.193 | 0.436 | 1494. | 3.1 |
| 270 | 272.0 | 9.621 | 35.230 | 3.32 | 0.10 | 27.197 | 0.438 | 1493. | 3.0 |
| 272 | 273.9 | 9.536 | 35.223 | 3.34 | 0.10 | 27.205 | 0.440 | 1493. | 3.0 |
| 274 | 276.0 | 9.496 | 35.221 | 3.33 | 0.10 | 27.210 | 0.442 | 1493. | 2.9 |
| 276 | 278.0 | 9.459 | 35.216 | 3.33 | 0.10 | 27.212 | 0.444 | 1493. | 2.8 |
| 278 | 280.1 | 9.351 | 35.202 | 3.34 | 0.10 | 27.220 | 0.446 | 1492. | 2.7 |
| 280 | 282.0 | 9.303 | 35.200 | 3.35 | 0.10 | 27.226 | 0.447 | 1492. | 2.6 |
| 282 | 283.9 | 9.296 | 35.201 | 3.35 | 0.11 | 27.228 | 0.449 | 1492. | 2.5 |
| 284 | 286.1 | 9.287 | 35.200 | 3.33 | 0.11 | 27.228 | 0.451 | 1492. | 2.5 |
| 286 | 287.9 | 9.233 | 35.192 | 3.35 | 0.11 | 27.231 | 0.453 | 1492. | 2.5 |
| 288 | 290.0 | 9.184 | 35.190 | 3.34 | 0.11 | 27.237 | 0.454 | 1492. | 2.7 |
| 289 | 291.9 | 9.132 | 35.183 | 3.36 | 0.11 | 27.241 | 0.456 | 1492. | 3.0 |
| 292 | 294.0 | 9.080 | 35.179 | 3.35 | 0.11 | 27.245 | 0.458 | 1492. | 3.2 |
| 293 | 296.0 | 8.982 | 35.168 | 3.36 | 0.11 | 27.253 | 0.460 | 1491. | 3.2 |
| 295 | 298.0 | 8.892 | 35.161 | 3.38 | 0.11 | 27.262 | 0.461 | 1491. | 3.3 |
| 297 | 300.0 | 8.844 | 35.159 | 3.40 | 0.11 | 27.268 | 0.463 | 1491. | 3.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 14 | 12 JUL 1982 | 1620 | 40°17.5'N | 67°39.1'W | 1205 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 299 | 302.0 | 8.786 | 35.155 | 3.41 | 0.11 | 27.274 | 0.465 | 1491. | 3.3 |
| 301 | 304.0 | 8.734 | 35.150 | 3.41 | 0.11 | 27.278 | 0.466 | 1490. | 3.3 |
| 303 | 306.0 | 8.645 | 35.142 | 3.46 | 0.11 | 27.286 | 0.468 | 1490. | 3.1 |
| 305 | 308.0 | 8.593 | 35.139 | 3.47 | 0.11 | 27.292 | 0.470 | 1490. | 3.0 |
| 307 | 310.0 | 8.525 | 35.133 | 3.49 | 0.11 | 27.298 | 0.471 | 1490. | 2.9 |
| 309 | 312.0 | 8.473 | 35.131 | 3.50 | 0.12 | 27.305 | 0.473 | 1490. | 2.7 |
| 311 | 314.0 | 8.457 | 35.130 | 3.51 | 0.12 | 27.307 | 0.475 | 1490. | 2.6 |
| 313 | 316.0 | 8.439 | 35.129 | 3.53 | 0.12 | 27.308 | 0.476 | 1489. | 2.5 |
| 315 | 317.9 | 8.402 | 35.125 | 3.55 | 0.12 | 27.311 | 0.478 | 1489. | 2.5 |
| 317 | 320.0 | 8.358 | 35.124 | 3.54 | 0.12 | 27.317 | 0.480 | 1489. | 2.7 |
| 319 | 322.0 | 8.327 | 35.121 | 3.55 | 0.12 | 27.320 | 0.481 | 1489. | 2.8 |
| 321 | 324.0 | 8.293 | 35.119 | 3.58 | 0.12 | 27.323 | 0.483 | 1489. | 3.0 |
| 323 | 326.0 | 8.189 | 35.108 | 3.59 | 0.12 | 27.331 | 0.484 | 1489. | 3.0 |
| 325 | 328.0 | 8.114 | 35.105 | 3.61 | 0.13 | 27.339 | 0.486 | 1488. | 3.2 |
| 327 | 330.0 | 8.084 | 35.104 | 3.62 | 0.13 | 27.343 | 0.488 | 1488. | 3.3 |
| 329 | 332.0 | 8.048 | 35.102 | 3.64 | 0.13 | 27.347 | 0.489 | 1488. | 3.2 |
| 331 | 334.0 | 7.952 | 35.092 | 3.67 | 0.13 | 27.354 | 0.491 | 1488. | 3.1 |
| 333 | 335.9 | 7.870 | 35.091 | 3.70 | 0.13 | 27.365 | 0.492 | 1488. | 3.3 |
| 335 | 338.0 | 7.858 | 35.093 | 3.71 | 0.13 | 27.368 | 0.494 | 1488. | 3.6 |
| 337 | 340.1 | 7.844 | 35.092 | 3.73 | 0.13 | 27.370 | 0.495 | 1488. | 3.7 |
| 339 | 341.9 | 7.774 | 35.086 | 3.78 | 0.13 | 27.375 | 0.497 | 1487. | 3.7 |
| 341 | 344.0 | 7.566 | 35.075 | 3.81 | 0.13 | 27.398 | 0.498 | 1487. | 3.6 |
| 343 | 346.0 | 7.501 | 35.076 | 3.83 | 0.14 | 27.408 | 0.500 | 1486. | 3.5 |
| 345 | 348.0 | 7.474 | 35.076 | 3.85 | 0.14 | 27.412 | 0.501 | 1486. | 3.4 |
| 347 | 350.0 | 7.457 | 35.076 | 3.91 | 0.14 | 27.414 | 0.503 | 1486. | 3.2 |
| 349 | 352.0 | 7.429 | 35.075 | 3.94 | 0.14 | 27.417 | 0.504 | 1486. | 2.8 |
| 351 | 354.0 | 7.396 | 35.072 | 3.94 | 0.14 | 27.420 | 0.505 | 1486. | 2.7 |
| 353 | 356.0 | 7.288 | 35.064 | 3.96 | 0.14 | 27.429 | 0.507 | 1486. | 2.6 |
| 355 | 358.0 | 7.257 | 35.067 | 3.98 | 0.14 | 27.436 | 0.508 | 1486. | 2.4 |
| 357 | 360.1 | 7.252 | 35.067 | 4.00 | 0.14 | 27.437 | 0.510 | 1486. | 2.2 |
| 359 | 361.9 | 7.244 | 35.067 | 4.03 | 0.14 | 27.437 | 0.511 | 1486. | 2.0 |
| 361 | 364.0 | 7.238 | 35.067 | 4.02 | 0.14 | 27.438 | 0.512 | 1486. | 2.0 |
| 363 | 366.0 | 7.229 | 35.066 | 4.03 | 0.14 | 27.439 | 0.514 | 1486. | 2.2 |
| 365 | 368.0 | 7.211 | 35.065 | 4.05 | 0.15 | 27.440 | 0.515 | 1486. | 2.5 |
| 367 | 369.9 | 7.155 | 35.061 | 4.07 | 0.15 | 27.446 | 0.516 | 1485. | 2.8 |
| 369 | 372.0 | 7.084 | 35.058 | 4.08 | 0.15 | 27.453 | 0.518 | 1485. | 3.0 |
| 371 | 374.0 | 7.007 | 35.054 | 4.09 | 0.15 | 27.461 | 0.519 | 1485. | 3.1 |
| 373 | 376.0 | 6.953 | 35.052 | 4.12 | 0.15 | 27.466 | 0.521 | 1485. | 3.2 |
| 375 | 378.0 | 6.906 | 35.050 | 4.17 | 0.16 | 27.472 | 0.522 | 1485. | 3.0 |
| 377 | 380.0 | 6.851 | 35.047 | 4.19 | 0.16 | 27.477 | 0.523 | 1484. | 2.8 |
| 379 | 382.0 | 6.810 | 35.046 | 4.21 | 0.16 | 27.481 | 0.525 | 1484. | 2.6 |
| 381 | 384.0 | 6.772 | 35.045 | 4.24 | 0.16 | 27.486 | 0.526 | 1484. | 2.5 |
| 383 | 386.0 | 6.756 | 35.045 | 4.24 | 0.16 | 27.488 | 0.527 | 1484. | 2.3 |
| 385 | 388.0 | 6.734 | 35.044 | 4.27 | 0.17 | 27.491 | 0.528 | 1484. | 2.3 |
| 387 | 390.0 | 6.714 | 35.043 | 4.30 | 0.17 | 27.492 | 0.530 | 1484. | 2.6 |
| 389 | 392.0 | 6.687 | 35.042 | 4.32 | 0.17 | 27.495 | 0.531 | 1484. | 3.0 |
| 391 | 394.0 | 6.673 | 35.042 | 4.34 | 0.17 | 27.497 | 0.532 | 1484. | 3.3 |
| 393 | 396.0 | 6.546 | 35.028 | 4.37 | 0.17 | 27.504 | 0.534 | 1483. | 3.4 |
| 395 | 398.0 | 6.386 | 35.026 | 4.40 | 0.17 | 27.523 | 0.535 | 1483. | 3.5 |
| 397 | 400.1 | 6.357 | 35.030 | 4.43 | 0.18 | 27.530 | 0.536 | 1483. | 3.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 14 | 12 JUL 1982 | 1620 | 40°17.5'N | 67°39.1'W | 1205 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 399 | 402.0 | 6.327 | 35.029 | 4.51 | 0.18 | 27.534 | 0.537 | 1483. | 3.2 |
| 400 | 403.9 | 6.302 | 35.029 | 4.56 | 0.18 | 27.537 | 0.538 | 1483. | 2.8 |
| 402 | 405.9 | 6.264 | 35.029 | 4.60 | 0.19 | 27.542 | 0.540 | 1482. | 2.4 |
| 404 | 408.0 | 6.246 | 35.030 | 4.60 | 0.19 | 27.545 | 0.541 | 1482. | 2.3 |
| 407 | 410.1 | 6.230 | 35.029 | 4.66 | 0.19 | 27.546 | 0.542 | 1482. | 2.2 |
| 408 | 411.9 | 6.215 | 35.029 | 4.71 | 0.19 | 27.548 | 0.543 | 1482. | 2.1 |
| 410 | 414.0 | 6.162 | 35.025 | 4.74 | 0.19 | 27.551 | 0.544 | 1482. | 2.1 |
| 412 | 416.0 | 6.138 | 35.025 | 4.75 | 0.20 | 27.555 | 0.545 | 1482. | 2.1 |
| 414 | 418.0 | 6.123 | 35.024 | 4.74 | 0.20 | 27.556 | 0.547 | 1482. | 2.0 |
| 416 | 420.0 | 6.098 | 35.025 | 4.77 | 0.20 | 27.560 | 0.548 | 1482. | 1.9 |
| 418 | 422.0 | 6.094 | 35.026 | 4.78 | 0.21 | 27.561 | 0.549 | 1482. | 1.7 |
| 420 | 424.0 | 6.090 | 35.027 | 4.81 | 0.21 | 27.563 | 0.550 | 1482. | 1.6 |
| 422 | 426.1 | 6.084 | 35.028 | 4.81 | 0.22 | 27.564 | 0.551 | 1482. | 1.5 |
| 424 | 427.9 | 6.076 | 35.027 | 4.85 | 0.22 | 27.565 | 0.552 | 1482. | 1.4 |
| 426 | 430.0 | 6.068 | 35.028 | 4.85 | 0.23 | 27.566 | 0.554 | 1482. | 1.4 |
| 428 | 432.0 | 6.054 | 35.027 | 4.87 | 0.23 | 27.567 | 0.555 | 1482. | 1.4 |
| 430 | 434.0 | 6.042 | 35.026 | 4.88 | 0.23 | 27.568 | 0.556 | 1482. | 1.3 |
| 432 | 436.0 | 6.026 | 35.025 | 4.90 | 0.23 | 27.569 | 0.557 | 1482. | 1.4 |
| 434 | 438.0 | 6.017 | 35.025 | 4.91 | 0.23 | 27.571 | 0.558 | 1482. | 1.4 |
| 436 | 440.0 | 6.015 | 35.025 | 4.90 | 0.23 | 27.571 | 0.559 | 1482. | 1.5 |
| 438 | 442.0 | 5.992 | 35.022 | 4.91 | 0.24 | 27.572 | 0.560 | 1482. | 1.7 |
| 440 | 444.0 | 5.957 | 35.019 | 4.92 | 0.24 | 27.574 | 0.562 | 1482. | 1.8 |
| 442 | 446.0 | 5.925 | 35.017 | 4.94 | 0.24 | 27.576 | 0.563 | 1482. | 1.9 |
| 444 | 448.0 | 5.882 | 35.013 | 4.93 | 0.24 | 27.578 | 0.564 | 1482. | 1.9 |
| 446 | 450.0 | 5.848 | 35.011 | 4.95 | 0.24 | 27.581 | 0.565 | 1482. | 1.9 |
| 448 | 452.0 | 5.828 | 35.011 | 4.95 | 0.24 | 27.583 | 0.566 | 1481. | 1.8 |
| 450 | 454.0 | 5.813 | 35.009 | 4.95 | 0.24 | 27.584 | 0.567 | 1481. | 1.7 |
| 452 | 456.1 | 5.795 | 35.008 | 4.94 | 0.24 | 27.586 | 0.568 | 1481. | 1.7 |
| 454 | 458.0 | 5.781 | 35.008 | 4.97 | 0.24 | 27.587 | 0.569 | 1481. | 1.6 |
| 456 | 459.9 | 5.773 | 35.008 | 4.98 | 0.25 | 27.588 | 0.570 | 1481. | 1.5 |
| 458 | 462.1 | 5.748 | 35.006 | 4.97 | 0.25 | 27.590 | 0.572 | 1481. | 1.5 |
| 460 | 464.0 | 5.734 | 35.006 | 4.98 | 0.25 | 27.591 | 0.573 | 1481. | 1.4 |
| 462 | 466.0 | 5.728 | 35.007 | 4.98 | 0.25 | 27.593 | 0.574 | 1481. | 1.4 |
| 464 | 468.1 | 5.726 | 35.006 | 4.99 | 0.25 | 27.593 | 0.575 | 1481. | 1.4 |
| 466 | 470.0 | 5.716 | 35.006 | 5.01 | 0.25 | 27.593 | 0.576 | 1481. | 1.4 |
| 468 | 472.0 | 5.691 | 35.003 | 5.01 | 0.25 | 27.594 | 0.577 | 1481. | 1.3 |
| 470 | 474.0 | 5.664 | 35.001 | 5.01 | 0.25 | 27.596 | 0.578 | 1481. | 1.3 |
| 472 | 476.0 | 5.656 | 35.001 | 5.02 | 0.25 | 27.597 | 0.579 | 1481. | 1.4 |
| 474 | 478.0 | 5.652 | 35.001 | 5.03 | 0.26 | 27.598 | 0.580 | 1481. | 1.6 |
| 476 | 480.0 | 5.655 | 35.003 | 5.02 | 0.27 | 27.599 | 0.581 | 1481. | 1.8 |
| 478 | 482.0 | 5.646 | 35.002 | 5.03 | 0.26 | 27.599 | 0.582 | 1481. | 1.8 |
| 480 | 484.0 | 5.565 | 34.993 | 5.05 | 0.26 | 27.602 | 0.584 | 1481. | 1.9 |
| 482 | 486.0 | 5.516 | 34.991 | 5.07 | 0.26 | 27.607 | 0.585 | 1481. | 1.9 |
| 484 | 487.9 | 5.505 | 34.992 | 5.09 | 0.26 | 27.609 | 0.586 | 1481. | 1.9 |
| 486 | 490.0 | 5.491 | 34.991 | 5.08 | 0.26 | 27.610 | 0.587 | 1481. | 1.8 |
| 488 | 492.0 | 5.478 | 34.991 | 5.09 | 0.26 | 27.611 | 0.588 | 1481. | 1.7 |
| 490 | 494.0 | 5.459 | 34.989 | 5.10 | 0.27 | 27.612 | 0.589 | 1481. | 1.6 |
| 492 | 496.0 | 5.442 | 34.988 | 5.12 | 0.27 | 27.613 | 0.590 | 1481. | 1.7 |
| 494 | 498.0 | 5.418 | 34.986 | 5.12 | 0.27 | 27.615 | 0.591 | 1481. | 1.8 |
| 496 | 500.0 | 5.376 | 34.982 | 5.12 | 0.27 | 27.616 | 0.592 | 1480. | 1.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 14 | 12 JUL 1982 | 1620 | 40°17.5'N | 67°39.1'W | 1205 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 515 | 520.1 | 5.227 | 34.973 | 5.17 | 0.27 | 27.627 | 0.603 | 1480. | 0.8 |
| 535 | 539.9 | 5.128 | 34.967 | 5.23 | 0.28 | 27.634 | 0.613 | 1480. | 1.0 |
| 555 | 560.0 | 5.041 | 34.967 | 5.28 | 0.28 | 27.644 | 0.623 | 1480. | 1.4 |
| 575 | 580.0 | 4.945 | 34.962 | 5.33 | 0.28 | 27.651 | 0.633 | 1480. | 1.0 |
| 595 | 600.0 | 4.881 | 34.963 | 5.37 | 0.29 | 27.660 | 0.643 | 1480. | 1.2 |
| 614 | 620.0 | 4.788 | 34.960 | 5.43 | 0.29 | 27.668 | 0.653 | 1480. | 1.5 |
| 634 | 640.0 | 4.708 | 34.957 | 5.48 | 0.29 | 27.675 | 0.662 | 1480. | 0.6 |
| 654 | 660.1 | 4.697 | 34.956 | 5.49 | 0.29 | 27.675 | 0.672 | 1480. | 0.3 |
| 674 | 680.0 | 4.679 | 34.955 | 5.49 | 0.29 | 27.676 | 0.682 | 1481. | 0.8 |
| 693 | 700.0 | 4.600 | 34.951 | 5.51 | 0.28 | 27.682 | 0.691 | 1481. | 1.4 |
| 713 | 720.0 | 4.555 | 34.950 | 5.55 | 0.28 | 27.687 | 0.701 | 1481. | 0.8 |
| 733 | 740.0 | 4.506 | 34.948 | 5.57 | 0.28 | 27.691 | 0.710 | 1481. | 1.2 |
| 753 | 760.0 | 4.458 | 34.949 | 5.60 | 0.27 | 27.696 | 0.720 | 1481. | 0.8 |
| 773 | 780.0 | 4.415 | 34.947 | 5.62 | 0.27 | 27.700 | 0.729 | 1481. | 0.6 |
| 792 | 800.0 | 4.411 | 34.948 | 5.62 | 0.27 | 27.701 | 0.738 | 1481. | 0.6 |
| 812 | 820.0 | 4.379 | 34.943 | 5.62 | 0.26 | 27.701 | 0.748 | 1482. | 0.9 |
| 832 | 840.0 | 4.357 | 34.947 | 5.64 | 0.26 | 27.706 | 0.757 | 1482. | 0.9 |
| 852 | 859.9 | 4.330 | 34.947 | 5.65 | 0.25 | 27.709 | 0.766 | 1482. | 1.2 |
| 871 | 880.0 | 4.290 | 34.947 | 5.66 | 0.25 | 27.713 | 0.775 | 1482. | -0.3 |
| 891 | 900.0 | 4.274 | 34.950 | 5.66 | 0.25 | 27.717 | 0.785 | 1482. | -1.1 |
| 911 | 920.0 | 4.252 | 34.944 | 5.67 | 0.25 | 27.715 | 0.794 | 1483. | 0.8 |
| 931 | 940.0 | 4.245 | 34.941 | 5.67 | 0.25 | 27.713 | 0.803 | 1483. | -0.6 |
| 950 | 960.0 | 4.218 | 34.946 | 5.67 | 0.24 | 27.721 | 0.812 | 1483. | 0.8 |
| 970 | 980.0 | 4.201 | 34.947 | 5.67 | 0.24 | 27.723 | 0.822 | 1484. | 0.7 |
| 990 | 1000.0 | 4.162 | 34.947 | 5.69 | 0.23 | 27.727 | 0.831 | 1484. | 0.5 |
| 1010 | 1020.0 | 4.156 | 34.947 | 5.69 | 0.23 | 27.728 | 0.840 | 1484. | 0.6 |
| 1029 | 1040.0 | 4.122 | 34.947 | 5.69 | 0.23 | 27.731 | 0.849 | 1484. | 0.7 |
| 1049 | 1059.9 | 4.119 | 34.947 | 5.69 | 0.23 | 27.731 | 0.858 | 1484. | 0.6 |
| 1069 | 1080.1 | 4.107 | 34.946 | 5.60 | 0.23 | 27.732 | 0.868 | 1485. | 0.5 |
| 1089 | 1100.0 | 4.073 | 34.947 | 5.62 | 0.23 | 27.736 | 0.877 | 1485. | 0.8 |
| 1108 | 1120.0 | 4.076 | 34.946 | 5.63 | 0.22 | 27.735 | 0.886 | 1485. | -0.4 |
| 1128 | 1140.0 | 4.076 | 34.947 | 5.63 | 0.22 | 27.736 | 0.895 | 1486. | 0.3 |

STA 15 DAY: 12 TIME: 1832

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 1.9 | 24.2 | 37.0 | 17.8 | 66.0 | 17.6 | 105.6 | 14.3 | 178.6 | 12.9 |
| 1.9 | 24.2 | 37.9 | 17.8 | 67.0 | 17.6 | 106.6 | 14.3 | 180.5 | 12.9 |
| 2.9 | 24.2 | 38.9 | 17.7 | 67.0 | 17.5 | 107.6 | 14.2 | 182.4 | 12.9 |
| 3.9 | 24.2 | 38.9 | 17.5 | 67.0 | 17.5 | 108.5 | 14.1 | 183.4 | 12.8 |
| 5.8 | 24.2 | 39.9 | 17.3 | 69.0 | 17.5 | 109.5 | 14.0 | 184.3 | 12.8 |
| 6.8 | 24.2 | 39.9 | 17.1 | 69.0 | 17.4 | 110.5 | 14.0 | 185.3 | 12.7 |
| 7.8 | 24.1 | 39.9 | 17.0 | 69.0 | 17.4 | 113.4 | 13.9 | 186.2 | 12.7 |
| 8.8 | 24.1 | 39.9 | 16.9 | 69.9 | 17.3 | 115.3 | 13.9 | 188.1 | 12.6 |
| 9.7 | 24.1 | 39.9 | 16.8 | 71.9 | 17.3 | 117.2 | 14.0 | 189.1 | 12.5 |
| 10.7 | 24.0 | 40.9 | 16.8 | 72.8 | 17.3 | 119.1 | 13.9 | 191.0 | 12.5 |
| 11.7 | 24.0 | 41.8 | 16.7 | 72.8 | 17.2 | 121.1 | 13.9 | 192.9 | 12.5 |
| 11.7 | 23.9 | 41.8 | 16.7 | 73.8 | 17.2 | 122.0 | 13.8 | 194.8 | 12.5 |
| 12.7 | 23.9 | 42.8 | 16.8 | 75.7 | 17.2 | 123.0 | 13.7 | 196.7 | 12.5 |
| 13.6 | 23.8 | 42.8 | 16.8 | 76.7 | 17.2 | 123.0 | 13.6 | 198.6 | 12.5 |
| 15.6 | 23.8 | 43.8 | 16.9 | 77.7 | 17.2 | 123.9 | 13.4 | 198.6 | 12.5 |
| 16.6 | 23.7 | 43.8 | 17.0 | 79.6 | 17.2 | 124.9 | 13.4 | 199.6 | 12.4 |
| 18.5 | 23.7 | 44.7 | 16.9 | 80.6 | 17.2 | 126.8 | 13.4 | 201.5 | 12.4 |
| 20.4 | 23.7 | 44.7 | 16.8 | 81.5 | 17.1 | 128.7 | 13.4 | 203.4 | 12.4 |
| 21.4 | 23.7 | 45.7 | 16.7 | 82.5 | 17.1 | 130.7 | 13.4 | 205.3 | 12.4 |
| 23.4 | 23.7 | 45.7 | 16.6 | 83.5 | 17.0 | 133.5 | 13.4 | 207.2 | 12.4 |
| 23.4 | 23.6 | 45.7 | 16.5 | 84.4 | 17.0 | 135.5 | 13.4 | 207.2 | 12.4 |
| 24.3 | 23.4 | 46.7 | 16.5 | 85.4 | 16.8 | 138.3 | 13.4 | 208.2 | 12.4 |
| 24.3 | 23.2 | 46.7 | 16.4 | 85.4 | 16.6 | 140.3 | 13.3 | 211.0 | 12.3 |
| 25.3 | 23.0 | 47.6 | 16.3 | 86.4 | 16.5 | 143.1 | 13.3 | 212.9 | 12.3 |
| 25.3 | 22.9 | 48.6 | 16.4 | 86.4 | 16.4 | 144.1 | 13.3 | 213.9 | 12.3 |
| 25.3 | 22.8 | 49.6 | 16.3 | 86.4 | 16.3 | 146.0 | 13.3 | 214.8 | 12.4 |
| 25.3 | 22.5 | 49.6 | 16.4 | 87.3 | 16.3 | 147.0 | 13.3 | 215.8 | 12.4 |
| 25.3 | 22.3 | 50.6 | 16.4 | 88.3 | 16.2 | 149.9 | 13.2 | 216.7 | 12.3 |
| 26.3 | 21.9 | 50.6 | 16.5 | 89.2 | 16.1 | 151.8 | 13.2 | 217.7 | 12.3 |
| 26.3 | 21.5 | 51.5 | 16.6 | 90.2 | 16.1 | 152.7 | 13.2 | 218.6 | 12.3 |
| 27.3 | 21.0 | 52.5 | 16.6 | 91.2 | 16.0 | 153.7 | 13.2 | 219.6 | 12.2 |
| 27.3 | 20.6 | 52.5 | 16.5 | 91.2 | 15.9 | 154.7 | 13.1 | 219.6 | 12.2 |
| 28.2 | 20.4 | 53.5 | 16.5 | 91.2 | 15.8 | 156.6 | 13.1 | 222.4 | 12.2 |
| 28.2 | 20.1 | 54.4 | 16.5 | 92.1 | 15.6 | 156.6 | 13.1 | 224.4 | 12.2 |
| 29.2 | 20.0 | 54.4 | 16.6 | 92.1 | 15.6 | 156.6 | 13.2 | 226.3 | 12.1 |
| 29.2 | 20.0 | 55.4 | 16.7 | 92.1 | 15.5 | 157.5 | 13.2 | 227.2 | 12.1 |
| 30.2 | 19.9 | 55.4 | 16.7 | 92.1 | 15.4 | 160.4 | 13.2 | 229.1 | 12.1 |
| 31.1 | 19.8 | 56.4 | 16.8 | 93.1 | 15.3 | 162.3 | 13.2 | 229.1 | 12.0 |
| 31.1 | 19.6 | 56.4 | 16.8 | 93.1 | 15.2 | 163.3 | 13.2 | 231.0 | 12.0 |
| 32.1 | 19.6 | 57.3 | 16.8 | 94.1 | 15.1 | 164.2 | 13.1 | 232.0 | 11.9 |
| 32.1 | 19.4 | 58.3 | 16.8 | 95.0 | 15.0 | 165.2 | 13.1 | 233.9 | 11.9 |
| 33.1 | 19.3 | 59.3 | 16.9 | 95.0 | 15.0 | 166.2 | 13.0 | 236.7 | 11.9 |
| 34.1 | 19.0 | 60.2 | 17.0 | 97.0 | 14.8 | 167.1 | 13.0 | 238.6 | 11.9 |
| 34.1 | 18.8 | 61.2 | 17.0 | 97.9 | 14.7 | 168.1 | 12.9 | 240.5 | 11.8 |
| 34.1 | 18.7 | 62.2 | 17.2 | 98.9 | 14.6 | 170.0 | 12.9 | 240.5 | 11.8 |
| 35.0 | 18.6 | 62.2 | 17.3 | 99.9 | 14.5 | 170.9 | 13.0 | 240.5 | 11.7 |
| 35.0 | 18.4 | 62.2 | 17.4 | 100.8 | 14.4 | 171.9 | 12.9 | 241.5 | 11.7 |
| 36.0 | 18.2 | 62.2 | 17.5 | 101.8 | 14.4 | 173.8 | 12.9 | 242.4 | 11.6 |
| 36.0 | 18.1 | 63.1 | 17.6 | 102.8 | 14.3 | 174.8 | 12.9 | 243.4 | 11.5 |
| 37.0 | 17.9 | 64.1 | 17.6 | 103.7 | 14.3 | 176.7 | 12.9 | 244.3 | 11.5 |

STA 15 DAY: 12 TIME: 1832

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 246.2 | 11.6 | 302.9 | 8.2 | 381.7 | 6.4 | 506.0 | 5.2 | 688.0 | 4.9 |
| 247.1 | 11.6 | 304.8 | 8.1 | 383.6 | 6.4 | 507.8 | 5.2 | 694.3 | 4.9 |
| 248.1 | 11.5 | 305.8 | 8.1 | 386.4 | 6.4 | 510.6 | 5.2 | 697.9 | 4.9 |
| 249.0 | 11.4 | 306.7 | 8.0 | 389.2 | 6.3 | 514.2 | 5.2 | 701.5 | 4.9 |
| 250.0 | 11.4 | 308.6 | 7.9 | 391.1 | 6.3 | 517.0 | 5.2 | 707.7 | 4.8 |
| 250.9 | 11.3 | 309.5 | 7.9 | 393.9 | 6.3 | 519.8 | 5.2 | 713.1 | 4.8 |
| 251.9 | 11.2 | 311.4 | 7.9 | 395.7 | 6.3 | 522.5 | 5.2 | 715.8 | 4.8 |
| 252.8 | 11.2 | 313.3 | 7.8 | 396.7 | 6.2 | 525.3 | 5.2 | 722.1 | 4.9 |
| 252.8 | 11.1 | 315.2 | 7.8 | 399.5 | 6.2 | 527.1 | 5.1 | 728.4 | 4.9 |
| 253.8 | 11.1 | 318.0 | 7.8 | 400.4 | 6.1 | 529.9 | 5.1 | 731.9 | 4.8 |
| 254.7 | 11.0 | 319.9 | 7.8 | 402.3 | 6.1 | 532.6 | 5.0 | 734.6 | 4.8 |
| 255.7 | 10.9 | 321.8 | 7.8 | 404.1 | 6.1 | 536.3 | 5.1 | 737.3 | 4.8 |
| 257.6 | 10.8 | 323.6 | 7.7 | 406.9 | 6.1 | 538.1 | 5.1 | 740.0 | 4.8 |
| 257.6 | 10.7 | 326.5 | 7.7 | 408.8 | 6.1 | 540.9 | 5.1 | 744.4 | 4.7 |
| 257.6 | 10.6 | 329.3 | 7.7 | 409.7 | 6.1 | 543.6 | 5.1 | 747.1 | 4.7 |
| 258.5 | 10.5 | 331.2 | 7.7 | 413.4 | 6.0 | 545.4 | 5.0 | 750.7 | 4.6 |
| 259.5 | 10.4 | 333.0 | 7.7 | 415.3 | 6.0 | 547.3 | 5.0 | 752.5 | 4.6 |
| 260.4 | 10.3 | 335.9 | 7.7 | 418.1 | 6.0 | 549.1 | 5.0 | 755.2 | 4.6 |
| 261.4 | 10.3 | 338.7 | 7.7 | 420.9 | 6.0 | 552.8 | 5.0 | 756.9 | 4.6 |
| 262.3 | 10.1 | 340.5 | 7.7 | 423.7 | 5.9 | 556.4 | 5.0 | | |
| 262.3 | 10.1 | 342.4 | 7.6 | 426.5 | 5.9 | 558.3 | 5.0 | | |
| 263.3 | 9.9 | 344.3 | 7.6 | 430.2 | 5.9 | 561.9 | 5.0 | | |
| 263.3 | 9.8 | 345.2 | 7.5 | 433.9 | 5.9 | 565.6 | 5.0 | | |
| 264.2 | 9.7 | 346.2 | 7.4 | 435.7 | 5.9 | 567.4 | 5.0 | | |
| 266.1 | 9.5 | 346.2 | 7.4 | 438.5 | 5.9 | 571.0 | 4.9 | | |
| 266.1 | 9.5 | 348.1 | 7.3 | 441.3 | 5.9 | 575.6 | 4.9 | | |
| 268.0 | 9.4 | 349.9 | 7.3 | 443.2 | 5.8 | 581.1 | 5.0 | | |
| 268.9 | 9.4 | 350.9 | 7.3 | 445.9 | 5.8 | 584.7 | 4.9 | | |
| 270.8 | 9.3 | 351.8 | 7.2 | 448.7 | 5.7 | 588.4 | 4.9 | | |
| 272.7 | 9.3 | 352.7 | 7.2 | 452.4 | 5.7 | 592.9 | 4.9 | | |
| 274.6 | 9.3 | 354.6 | 7.1 | 454.3 | 5.7 | 597.5 | 4.9 | | |
| 275.6 | 9.3 | 354.6 | 7.1 | 456.1 | 5.7 | 602.0 | 4.9 | | |
| 276.5 | 9.2 | 355.6 | 6.9 | 458.9 | 5.7 | 607.5 | 4.9 | | |
| 277.4 | 9.1 | 355.6 | 6.9 | 462.6 | 5.7 | 612.9 | 4.9 | | |
| 277.4 | 9.0 | 356.5 | 6.8 | 464.5 | 5.6 | 618.4 | 4.9 | | |
| 278.4 | 9.0 | 356.5 | 6.7 | 466.3 | 5.6 | 624.7 | 4.9 | | |
| 279.3 | 8.9 | 358.4 | 6.7 | 470.0 | 5.5 | 630.2 | 4.9 | | |
| 281.2 | 8.9 | 359.3 | 6.7 | 472.8 | 5.5 | 635.6 | 4.9 | | |
| 283.1 | 8.9 | 362.1 | 6.7 | 476.5 | 5.5 | 642.8 | 4.9 | | |
| 284.1 | 8.9 | 364.0 | 6.6 | 479.2 | 5.5 | 646.5 | 4.9 | | |
| 285.9 | 8.7 | 365.8 | 6.6 | 481.1 | 5.5 | 650.1 | 4.9 | | |
| 286.9 | 8.6 | 367.7 | 6.6 | 482.9 | 5.5 | 652.8 | 4.9 | | |
| 287.8 | 8.5 | 368.7 | 6.6 | 484.8 | 5.4 | 656.4 | 4.9 | | |
| 289.7 | 8.4 | 369.6 | 6.5 | 488.5 | 5.4 | 659.1 | 4.9 | | |
| 291.6 | 8.4 | 370.5 | 6.5 | 492.2 | 5.4 | 663.6 | 4.9 | | |
| 293.5 | 8.3 | 371.5 | 6.5 | 494.9 | 5.4 | 667.2 | 4.9 | | |
| 296.3 | 8.3 | 373.3 | 6.4 | 496.8 | 5.3 | 670.0 | 4.9 | | |
| 297.3 | 8.2 | 375.2 | 6.4 | 497.7 | 5.3 | 673.6 | 4.9 | | |
| 299.2 | 8.2 | 377.1 | 6.4 | 500.4 | 5.2 | 679.9 | 4.8 | | |
| 302.0 | 8.2 | 378.9 | 6.4 | 503.2 | 5.2 | 682.6 | 4.9 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 16 | 12 JUL 1982 | 1802 | 40°24.1'N | 67°39.7'W | 635 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 23.941 | 35.079 | 4.65 | 0.16 | 23.720 | 0.000 | 1532. | 7.0 |
| 2 | 1.8 | 23.941 | 35.080 | 4.58 | 0.16 | 23.721 | 0.004 | 1532. | 7.0 |
| 4 | 4.0 | 23.953 | 35.078 | 4.60 | 0.16 | 23.716 | 0.013 | 1532. | 7.0 |
| 6 | 6.0 | 23.942 | 35.079 | 4.63 | 0.15 | 23.720 | 0.021 | 1532. | 7.0 |
| 8 | 8.0 | 23.897 | 35.084 | 4.69 | 0.16 | 23.737 | 0.029 | 1532. | 7.0 |
| 10 | 10.1 | 23.802 | 35.093 | 4.70 | 0.16 | 23.772 | 0.038 | 1532. | 7.6 |
| 12 | 11.9 | 23.606 | 35.105 | 4.72 | 0.16 | 23.839 | 0.045 | 1531. | 8.0 |
| 14 | 14.1 | 23.376 | 35.117 | 4.76 | 0.16 | 23.915 | 0.054 | 1531. | 8.3 |
| 16 | 16.0 | 23.220 | 35.092 | 4.80 | 0.17 | 23.941 | 0.062 | 1530. | 8.6 |
| 18 | 18.0 | 23.083 | 35.087 | 4.84 | 0.17 | 23.977 | 0.069 | 1530. | 9.2 |
| 20 | 19.9 | 22.962 | 35.065 | 4.85 | 0.17 | 23.996 | 0.077 | 1530. | 10.3 |
| 22 | 22.1 | 22.571 | 34.997 | 4.91 | 0.18 | 24.056 | 0.086 | 1529. | 11.3 |
| 24 | 23.9 | 22.281 | 34.996 | 4.93 | 0.17 | 24.137 | 0.093 | 1528. | 12.6 |
| 26 | 26.0 | 21.471 | 34.875 | 5.10 | 0.18 | 24.271 | 0.100 | 1526. | 13.5 |
| 28 | 28.0 | 20.718 | 34.852 | 5.20 | 0.18 | 24.459 | 0.108 | 1524. | 14.1 |
| 30 | 30.0 | 20.451 | 34.886 | 5.24 | 0.18 | 24.557 | 0.114 | 1523. | 14.2 |
| 32 | 31.9 | 19.887 | 34.922 | 5.36 | 0.19 | 24.733 | 0.121 | 1522. | 13.7 |
| 34 | 34.1 | 19.960 | 35.083 | 5.34 | 0.20 | 24.837 | 0.127 | 1522. | 12.9 |
| 36 | 36.1 | 20.085 | 35.241 | 5.30 | 0.20 | 24.924 | 0.134 | 1523. | 12.2 |
| 38 | 38.0 | 19.991 | 35.325 | 5.30 | 0.21 | 25.013 | 0.139 | 1522. | 12.6 |
| 40 | 40.0 | 19.717 | 35.279 | 5.33 | 0.22 | 25.050 | 0.145 | 1522. | 12.8 |
| 42 | 42.1 | 19.510 | 35.303 | 5.32 | 0.24 | 25.123 | 0.151 | 1521. | 13.4 |
| 44 | 43.9 | 18.603 | 35.147 | 5.40 | 0.28 | 25.236 | 0.156 | 1518. | 13.6 |
| 46 | 46.1 | 18.951 | 35.631 | 5.26 | 0.32 | 25.518 | 0.162 | 1520. | 13.3 |
| 48 | 47.9 | 18.905 | 35.724 | 5.26 | 0.32 | 25.600 | 0.166 | 1520. | 12.7 |
| 50 | 50.0 | 18.025 | 35.600 | 5.33 | 0.39 | 25.726 | 0.171 | 1517. | 11.9 |
| 52 | 52.0 | 17.683 | 35.530 | 5.26 | 0.42 | 25.757 | 0.176 | 1516. | 10.9 |
| 54 | 54.0 | 17.457 | 35.467 | 5.22 | 0.44 | 25.764 | 0.180 | 1516. | 9.9 |
| 55 | 55.9 | 17.247 | 35.422 | 5.17 | 0.47 | 25.780 | 0.185 | 1515. | 9.8 |
| 58 | 58.1 | 17.469 | 35.645 | 5.01 | 0.38 | 25.898 | 0.189 | 1516. | 9.8 |
| 59 | 60.0 | 17.558 | 35.765 | 4.89 | 0.29 | 25.968 | 0.193 | 1516. | 10.3 |
| 62 | 62.1 | 17.445 | 35.867 | 4.77 | 0.25 | 26.073 | 0.197 | 1516. | 10.4 |
| 63 | 64.0 | 17.164 | 35.828 | 4.65 | 0.23 | 26.111 | 0.201 | 1515. | 10.0 |
| 65 | 66.0 | 16.685 | 35.760 | 4.60 | 0.22 | 26.174 | 0.205 | 1514. | 9.0 |
| 67 | 68.0 | 16.249 | 35.715 | 4.62 | 0.19 | 26.241 | 0.209 | 1512. | 7.9 |
| 69 | 70.0 | 16.093 | 35.708 | 4.61 | 0.18 | 26.272 | 0.212 | 1512. | 6.8 |
| 72 | 72.1 | 16.038 | 35.704 | 4.61 | 0.18 | 26.281 | 0.216 | 1512. | 6.0 |
| 73 | 73.9 | 15.988 | 35.696 | 4.64 | 0.18 | 26.287 | 0.219 | 1512. | 5.5 |
| 76 | 76.1 | 15.893 | 35.677 | 4.64 | 0.18 | 26.294 | 0.223 | 1511. | 5.1 |
| 77 | 78.0 | 15.805 | 35.662 | 4.68 | 0.18 | 26.303 | 0.226 | 1511. | 5.2 |
| 79 | 80.0 | 15.559 | 35.623 | 4.68 | 0.18 | 26.328 | 0.229 | 1510. | 5.9 |
| 81 | 82.0 | 15.219 | 35.579 | 4.71 | 0.15 | 26.371 | 0.233 | 1509. | 6.7 |
| 83 | 84.0 | 15.166 | 35.584 | 4.69 | 0.15 | 26.386 | 0.236 | 1509. | 7.1 |
| 85 | 86.0 | 15.085 | 35.573 | 4.70 | 0.15 | 26.396 | 0.239 | 1509. | 7.2 |
| 87 | 88.0 | 14.723 | 35.562 | 4.75 | 0.13 | 26.467 | 0.243 | 1508. | 7.1 |
| 89 | 90.1 | 14.457 | 35.559 | 4.74 | 0.11 | 26.523 | 0.246 | 1507. | 6.7 |
| 91 | 92.0 | 14.388 | 35.553 | 4.69 | 0.11 | 26.533 | 0.249 | 1507. | 6.3 |
| 93 | 93.9 | 14.144 | 35.501 | 4.73 | 0.11 | 26.545 | 0.252 | 1506. | 5.9 |
| 95 | 96.0 | 13.945 | 35.466 | 4.75 | 0.11 | 26.560 | 0.255 | 1505. | 5.1 |
| 97 | 97.9 | 13.831 | 35.447 | 4.75 | 0.11 | 26.569 | 0.258 | 1505. | 4.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 16 | 12 JUL 1982 | 1802 | 40°24.1'N | 67°39.7'W | 635 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.1 | 13.582 | 35.392 | 4.80 | 0.11 | 26.579 | 0.261 | 1504. | 4.6 |
| 101 | 102.0 | 13.400 | 35.376 | 4.80 | 0.11 | 26.603 | 0.264 | 1504. | 4.3 |
| 103 | 104.0 | 13.391 | 35.400 | 4.78 | 0.10 | 26.624 | 0.267 | 1504. | 3.9 |
| 105 | 106.0 | 13.417 | 35.411 | 4.76 | 0.10 | 26.627 | 0.269 | 1504. | 3.7 |
| 107 | 108.0 | 13.428 | 35.414 | 4.72 | 0.10 | 26.627 | 0.272 | 1504. | 3.5 |
| 109 | 110.0 | 13.439 | 35.417 | 4.72 | 0.10 | 26.627 | 0.275 | 1504. | 3.3 |
| 111 | 112.0 | 13.453 | 35.424 | 4.72 | 0.10 | 26.630 | 0.278 | 1504. | 3.5 |
| 113 | 114.0 | 13.469 | 35.448 | 4.70 | 0.10 | 26.645 | 0.281 | 1504. | 3.8 |
| 115 | 116.0 | 13.409 | 35.452 | 4.71 | 0.10 | 26.660 | 0.284 | 1504. | 4.1 |
| 117 | 118.0 | 13.278 | 35.432 | 4.67 | 0.10 | 26.672 | 0.286 | 1504. | 4.3 |
| 119 | 120.0 | 13.218 | 35.429 | 4.67 | 0.10 | 26.682 | 0.289 | 1503. | 4.5 |
| 121 | 122.0 | 13.175 | 35.429 | 4.65 | 0.10 | 26.691 | 0.292 | 1503. | 4.5 |
| 123 | 124.0 | 13.148 | 35.435 | 4.64 | 0.10 | 26.701 | 0.295 | 1503. | 4.3 |
| 125 | 126.0 | 13.029 | 35.432 | 4.64 | 0.10 | 26.722 | 0.297 | 1503. | 4.1 |
| 127 | 128.0 | 12.948 | 35.430 | 4.60 | 0.10 | 26.737 | 0.300 | 1503. | 4.0 |
| 129 | 129.9 | 12.906 | 35.428 | 4.57 | 0.10 | 26.744 | 0.303 | 1503. | 3.9 |
| 131 | 132.0 | 12.886 | 35.424 | 4.55 | 0.10 | 26.745 | 0.305 | 1502. | 3.9 |
| 133 | 134.1 | 12.748 | 35.387 | 4.55 | 0.10 | 26.744 | 0.308 | 1502. | 4.0 |
| 135 | 135.9 | 12.637 | 35.378 | 4.55 | 0.11 | 26.759 | 0.311 | 1502. | 4.3 |
| 137 | 138.0 | 12.566 | 35.377 | 4.50 | 0.11 | 26.772 | 0.313 | 1501. | 4.6 |
| 139 | 140.0 | 12.567 | 35.408 | 4.47 | 0.11 | 26.796 | 0.316 | 1502. | 4.8 |
| 141 | 142.0 | 12.514 | 35.409 | 4.45 | 0.11 | 26.807 | 0.318 | 1501. | 4.8 |
| 143 | 144.0 | 12.433 | 35.414 | 4.44 | 0.11 | 26.827 | 0.321 | 1501. | 4.5 |
| 145 | 146.0 | 12.425 | 35.428 | 4.40 | 0.11 | 26.840 | 0.323 | 1501. | 4.1 |
| 147 | 148.0 | 12.430 | 35.439 | 4.36 | 0.10 | 26.847 | 0.326 | 1501. | 3.6 |
| 149 | 150.1 | 12.422 | 35.444 | 4.35 | 0.10 | 26.853 | 0.328 | 1501. | 3.2 |
| 151 | 152.0 | 12.420 | 35.451 | 4.34 | 0.10 | 26.859 | 0.331 | 1501. | 2.9 |
| 153 | 154.1 | 12.406 | 35.448 | 4.29 | 0.10 | 26.859 | 0.333 | 1501. | 3.0 |
| 155 | 155.9 | 12.391 | 35.447 | 4.29 | 0.10 | 26.861 | 0.336 | 1501. | 3.1 |
| 157 | 158.0 | 12.362 | 35.449 | 4.28 | 0.10 | 26.868 | 0.338 | 1501. | 3.1 |
| 159 | 160.1 | 12.335 | 35.453 | 4.28 | 0.10 | 26.877 | 0.341 | 1501. | 3.2 |
| 161 | 161.9 | 12.320 | 35.467 | 4.28 | 0.10 | 26.891 | 0.343 | 1501. | 3.2 |
| 163 | 164.0 | 12.323 | 35.473 | 4.24 | 0.10 | 26.895 | 0.345 | 1501. | 3.1 |
| 165 | 166.1 | 12.321 | 35.475 | 4.23 | 0.10 | 26.897 | 0.348 | 1501. | 2.9 |
| 167 | 168.0 | 12.303 | 35.477 | 4.22 | 0.10 | 26.902 | 0.350 | 1501. | 2.8 |
| 169 | 170.0 | 12.290 | 35.479 | 4.20 | 0.10 | 26.905 | 0.352 | 1501. | 2.8 |
| 171 | 172.0 | 12.276 | 35.479 | 4.20 | 0.10 | 26.908 | 0.355 | 1501. | 3.0 |
| 173 | 174.0 | 12.246 | 35.478 | 4.21 | 0.10 | 26.914 | 0.357 | 1501. | 3.0 |
| 175 | 175.9 | 12.174 | 35.475 | 4.20 | 0.10 | 26.925 | 0.359 | 1501. | 3.0 |
| 177 | 178.0 | 12.126 | 35.473 | 4.20 | 0.10 | 26.933 | 0.362 | 1501. | 3.0 |
| 179 | 180.0 | 12.112 | 35.473 | 4.19 | 0.10 | 26.935 | 0.364 | 1501. | 2.8 |
| 181 | 182.1 | 12.077 | 35.467 | 4.19 | 0.10 | 26.937 | 0.367 | 1501. | 2.8 |
| 183 | 184.0 | 12.033 | 35.462 | 4.21 | 0.10 | 26.942 | 0.369 | 1501. | 2.8 |
| 184 | 185.9 | 12.001 | 35.459 | 4.19 | 0.11 | 26.946 | 0.371 | 1500. | 3.0 |
| 186 | 188.0 | 11.961 | 35.453 | 4.16 | 0.11 | 26.949 | 0.373 | 1500. | 3.4 |
| 189 | 190.1 | 11.867 | 35.444 | 4.16 | 0.11 | 26.960 | 0.376 | 1500. | 3.7 |
| 190 | 192.0 | 11.826 | 35.442 | 4.16 | 0.11 | 26.967 | 0.378 | 1500. | 3.9 |
| 192 | 194.0 | 11.728 | 35.435 | 4.14 | 0.11 | 26.979 | 0.380 | 1500. | 4.1 |
| 194 | 196.0 | 11.663 | 35.438 | 4.13 | 0.11 | 26.994 | 0.382 | 1499. | 4.4 |
| 196 | 198.0 | 11.629 | 35.438 | 4.08 | 0.11 | 27.001 | 0.385 | 1499. | 4.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 16 | 12 JUL 1982 | 1802 | 40°24.1'N | 67°39.7'W | 635 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 200.1 | 11.551 | 35.434 | 4.06 | 0.10 | 27.012 | 0.387 | 1499. | 5.0 |
| 200 | 201.9 | 11.422 | 35.422 | 4.04 | 0.10 | 27.027 | 0.389 | 1499. | 5.1 |
| 202 | 204.0 | 11.255 | 35.411 | 4.03 | 0.10 | 27.049 | 0.391 | 1498. | 5.1 |
| 204 | 206.0 | 11.046 | 35.393 | 4.03 | 0.10 | 27.074 | 0.393 | 1497. | 5.0 |
| 206 | 208.0 | 10.900 | 35.384 | 3.98 | 0.10 | 27.093 | 0.395 | 1497. | 4.9 |
| 208 | 210.0 | 10.878 | 35.384 | 3.94 | 0.10 | 27.097 | 0.397 | 1497. | 4.7 |
| 210 | 212.0 | 10.788 | 35.376 | 3.92 | 0.10 | 27.107 | 0.399 | 1497. | 4.4 |
| 212 | 214.0 | 10.695 | 35.367 | 3.91 | 0.10 | 27.117 | 0.401 | 1496. | 4.2 |
| 214 | 216.0 | 10.577 | 35.354 | 3.91 | 0.10 | 27.128 | 0.403 | 1496. | 4.2 |
| 216 | 218.0 | 10.455 | 35.344 | 3.91 | 0.10 | 27.142 | 0.405 | 1495. | 4.2 |
| 218 | 220.0 | 10.340 | 35.334 | 3.91 | 0.11 | 27.154 | 0.407 | 1495. | 4.0 |
| 220 | 222.1 | 10.242 | 35.327 | 3.90 | 0.11 | 27.166 | 0.409 | 1495. | 3.8 |
| 222 | 224.0 | 10.176 | 35.321 | 3.92 | 0.11 | 27.172 | 0.411 | 1495. | 3.4 |
| 224 | 226.0 | 10.134 | 35.318 | 3.91 | 0.11 | 27.177 | 0.413 | 1494. | 3.1 |
| 226 | 228.0 | 10.100 | 35.316 | 3.92 | 0.11 | 27.182 | 0.414 | 1494. | 3.0 |
| 228 | 230.0 | 10.080 | 35.314 | 3.92 | 0.11 | 27.184 | 0.416 | 1494. | 3.0 |
| 230 | 232.0 | 10.063 | 35.311 | 3.91 | 0.11 | 27.184 | 0.418 | 1494. | 3.1 |
| 232 | 234.0 | 9.924 | 35.295 | 3.92 | 0.11 | 27.195 | 0.420 | 1494. | 3.3 |
| 234 | 235.9 | 9.850 | 35.290 | 3.93 | 0.11 | 27.204 | 0.422 | 1494. | 3.6 |
| 236 | 238.0 | 9.776 | 35.286 | 3.94 | 0.11 | 27.214 | 0.424 | 1493. | 3.7 |
| 238 | 240.0 | 9.754 | 35.285 | 3.94 | 0.11 | 27.217 | 0.425 | 1493. | 3.7 |
| 240 | 242.0 | 9.612 | 35.267 | 3.96 | 0.11 | 27.227 | 0.427 | 1493. | 3.6 |
| 242 | 244.0 | 9.472 | 35.258 | 3.97 | 0.12 | 27.243 | 0.429 | 1492. | 3.6 |
| 244 | 246.0 | 9.469 | 35.262 | 4.01 | 0.11 | 27.247 | 0.431 | 1492. | 3.6 |
| 246 | 247.9 | 9.467 | 35.262 | 4.00 | 0.12 | 27.247 | 0.432 | 1492. | 3.5 |
| 248 | 250.0 | 9.326 | 35.242 | 4.01 | 0.12 | 27.255 | 0.434 | 1492. | 3.3 |
| 250 | 252.0 | 9.212 | 35.238 | 4.03 | 0.12 | 27.270 | 0.436 | 1491. | 3.0 |
| 252 | 254.0 | 9.179 | 35.236 | 4.05 | 0.12 | 27.275 | 0.437 | 1491. | 2.9 |
| 254 | 256.0 | 9.153 | 35.234 | 4.04 | 0.12 | 27.277 | 0.439 | 1491. | 2.9 |
| 256 | 258.0 | 9.130 | 35.232 | 4.03 | 0.12 | 27.279 | 0.441 | 1491. | 3.1 |
| 258 | 260.0 | 9.107 | 35.231 | 4.04 | 0.12 | 27.282 | 0.442 | 1491. | 3.3 |
| 260 | 262.0 | 9.074 | 35.228 | 4.04 | 0.12 | 27.285 | 0.444 | 1491. | 3.7 |
| 262 | 264.0 | 8.983 | 35.219 | 4.08 | 0.13 | 27.293 | 0.446 | 1491. | 4.2 |
| 264 | 265.9 | 8.764 | 35.206 | 4.13 | 0.13 | 27.318 | 0.447 | 1490. | 4.4 |
| 266 | 268.0 | 8.697 | 35.204 | 4.13 | 0.14 | 27.326 | 0.449 | 1490. | 4.5 |
| 268 | 270.0 | 8.495 | 35.176 | 4.21 | 0.14 | 27.337 | 0.451 | 1489. | 4.3 |
| 270 | 272.0 | 8.380 | 35.181 | 4.25 | 0.14 | 27.359 | 0.452 | 1489. | 4.0 |
| 272 | 274.0 | 8.355 | 35.182 | 4.26 | 0.14 | 27.363 | 0.454 | 1489. | 3.5 |
| 274 | 276.1 | 8.334 | 35.181 | 4.27 | 0.14 | 27.365 | 0.455 | 1488. | 3.2 |
| 276 | 277.9 | 8.298 | 35.178 | 4.33 | 0.14 | 27.368 | 0.457 | 1488. | 3.1 |
| 278 | 280.0 | 8.265 | 35.177 | 4.33 | 0.14 | 27.373 | 0.458 | 1488. | 3.0 |
| 280 | 282.0 | 8.214 | 35.173 | 4.33 | 0.14 | 27.377 | 0.460 | 1488. | 3.1 |
| 282 | 284.1 | 8.152 | 35.167 | 4.35 | 0.14 | 27.382 | 0.461 | 1488. | 3.2 |
| 284 | 286.0 | 7.992 | 35.151 | 4.40 | 0.14 | 27.394 | 0.463 | 1487. | 3.2 |
| 286 | 288.0 | 7.951 | 35.153 | 4.40 | 0.15 | 27.402 | 0.464 | 1487. | 3.1 |
| 288 | 290.0 | 7.929 | 35.152 | 4.40 | 0.15 | 27.405 | 0.465 | 1487. | 3.0 |
| 290 | 292.1 | 7.891 | 35.149 | 4.41 | 0.15 | 27.408 | 0.467 | 1487. | 2.9 |
| 291 | 294.0 | 7.842 | 35.147 | 4.44 | 0.15 | 27.413 | 0.468 | 1487. | 3.0 |
| 294 | 296.1 | 7.791 | 35.142 | 4.45 | 0.16 | 27.417 | 0.470 | 1487. | 3.2 |
| 295 | 298.0 | 7.731 | 35.138 | 4.47 | 0.16 | 27.423 | 0.471 | 1487. | 3.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 16 | 12 JUL 1982 | 1802 | 40°24.1'N | 67°39.7'W | 635 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 297 | 300.0 | 7.664 | 35.131 | 4.50 | 0.16 | 27.427 | 0.473 | 1486. | 3.3 |
| 299 | 302.0 | 7.456 | 35.111 | 4.53 | 0.16 | 27.442 | 0.474 | 1486. | 3.2 |
| 301 | 304.1 | 7.415 | 35.116 | 4.52 | 0.16 | 27.451 | 0.475 | 1485. | 3.0 |
| 303 | 306.0 | 7.411 | 35.117 | 4.56 | 0.16 | 27.453 | 0.477 | 1485. | 2.6 |
| 305 | 308.0 | 7.408 | 35.117 | 4.57 | 0.16 | 27.453 | 0.478 | 1485. | 2.2 |
| 307 | 310.0 | 7.392 | 35.115 | 4.56 | 0.16 | 27.454 | 0.479 | 1485. | 1.7 |
| 309 | 312.0 | 7.378 | 35.115 | 4.56 | 0.16 | 27.456 | 0.481 | 1485. | 1.4 |
| 311 | 314.0 | 7.375 | 35.114 | 4.55 | 0.16 | 27.456 | 0.482 | 1485. | 1.6 |
| 313 | 316.0 | 7.361 | 35.113 | 4.58 | 0.17 | 27.457 | 0.483 | 1485. | 1.9 |
| 315 | 318.0 | 7.330 | 35.111 | 4.57 | 0.17 | 27.460 | 0.485 | 1485. | 2.5 |
| 317 | 320.1 | 7.314 | 35.109 | 4.56 | 0.17 | 27.461 | 0.486 | 1485. | 2.9 |
| 319 | 322.0 | 7.215 | 35.099 | 4.60 | 0.17 | 27.467 | 0.487 | 1485. | 3.2 |
| 321 | 324.0 | 7.094 | 35.085 | 4.63 | 0.17 | 27.473 | 0.489 | 1484. | 3.3 |
| 323 | 326.0 | 6.977 | 35.084 | 4.66 | 0.17 | 27.488 | 0.490 | 1484. | 3.3 |
| 325 | 328.0 | 6.939 | 35.087 | 4.67 | 0.18 | 27.496 | 0.491 | 1484. | 3.2 |
| 327 | 330.0 | 6.936 | 35.089 | 4.72 | 0.18 | 27.498 | 0.492 | 1484. | 3.0 |
| 329 | 332.0 | 6.919 | 35.088 | 4.74 | 0.18 | 27.500 | 0.494 | 1484. | 2.6 |
| 331 | 334.0 | 6.857 | 35.081 | 4.75 | 0.18 | 27.503 | 0.495 | 1484. | 2.1 |
| 333 | 335.9 | 6.822 | 35.083 | 4.78 | 0.18 | 27.509 | 0.496 | 1484. | 1.9 |
| 335 | 338.0 | 6.818 | 35.083 | 4.78 | 0.19 | 27.510 | 0.497 | 1484. | 1.7 |
| 337 | 340.0 | 6.810 | 35.082 | 4.79 | 0.19 | 27.510 | 0.499 | 1484. | 1.5 |
| 339 | 342.0 | 6.804 | 35.082 | 4.79 | 0.19 | 27.511 | 0.500 | 1484. | 1.3 |
| 341 | 344.0 | 6.793 | 35.080 | 4.80 | 0.19 | 27.511 | 0.501 | 1484. | 1.1 |
| 343 | 346.0 | 6.792 | 35.081 | 4.79 | 0.19 | 27.511 | 0.502 | 1484. | 1.3 |
| 345 | 348.0 | 6.775 | 35.078 | 4.79 | 0.19 | 27.512 | 0.504 | 1484. | 1.4 |
| 347 | 350.0 | 6.758 | 35.077 | 4.79 | 0.19 | 27.513 | 0.505 | 1484. | 1.5 |
| 349 | 352.0 | 6.730 | 35.076 | 4.78 | 0.19 | 27.516 | 0.506 | 1483. | 1.5 |
| 351 | 354.0 | 6.710 | 35.074 | 4.80 | 0.19 | 27.517 | 0.507 | 1483. | 1.5 |
| 353 | 356.0 | 6.689 | 35.073 | 4.81 | 0.19 | 27.520 | 0.508 | 1483. | 1.4 |
| 355 | 358.0 | 6.686 | 35.073 | 4.80 | 0.20 | 27.520 | 0.510 | 1483. | 1.1 |
| 357 | 360.0 | 6.686 | 35.073 | 4.80 | 0.20 | 27.520 | 0.511 | 1483. | 0.9 |
| 359 | 362.0 | 6.687 | 35.073 | 4.80 | 0.20 | 27.520 | 0.512 | 1483. | 0.7 |
| 361 | 364.0 | 6.686 | 35.073 | 4.81 | 0.20 | 27.520 | 0.513 | 1484. | 0.4 |
| 363 | 365.9 | 6.687 | 35.073 | 4.82 | 0.20 | 27.520 | 0.515 | 1484. | 0.4 |
| 365 | 368.0 | 6.684 | 35.073 | 4.79 | 0.20 | 27.520 | 0.516 | 1484. | 0.6 |
| 367 | 370.0 | 6.681 | 35.073 | 4.80 | 0.21 | 27.521 | 0.517 | 1484. | 0.7 |
| 369 | 372.0 | 6.681 | 35.073 | 4.79 | 0.21 | 27.520 | 0.518 | 1484. | 0.8 |
| 371 | 374.0 | 6.680 | 35.073 | 4.80 | 0.21 | 27.521 | 0.519 | 1484. | 0.8 |
| 373 | 376.0 | 6.669 | 35.072 | 4.80 | 0.21 | 27.522 | 0.521 | 1484. | 0.9 |
| 375 | 378.0 | 6.664 | 35.072 | 4.80 | 0.22 | 27.522 | 0.522 | 1484. | 1.0 |
| 377 | 380.0 | 6.662 | 35.072 | 4.80 | 0.22 | 27.522 | 0.523 | 1484. | 1.4 |
| 379 | 382.0 | 6.658 | 35.072 | 4.80 | 0.22 | 27.523 | 0.524 | 1484. | 2.0 |
| 381 | 384.0 | 6.643 | 35.070 | 4.80 | 0.22 | 27.524 | 0.526 | 1484. | 2.3 |
| 383 | 386.0 | 6.615 | 35.068 | 4.82 | 0.22 | 27.526 | 0.527 | 1484. | 2.6 |
| 385 | 388.0 | 6.508 | 35.058 | 4.84 | 0.22 | 27.532 | 0.528 | 1483. | 3.0 |
| 387 | 390.0 | 6.415 | 35.056 | 4.87 | 0.22 | 27.543 | 0.529 | 1483. | 3.2 |
| 388 | 391.3 | 6.342 | 35.045 | 4.90 | 0.22 | 27.544 | 0.530 | 1483. | 3.3 |
| 389 | 392.0 | 6.312 | 35.047 | 4.92 | 0.22 | 27.549 | 0.530 | 1482. | 3.2 |
| 390 | 393.0 | 6.308 | 35.051 | 4.91 | 0.22 | 27.553 | 0.531 | 1482. | 2.8 |
| 391 | 394.0 | 6.315 | 35.052 | 4.91 | 0.22 | 27.553 | 0.532 | 1483. | 2.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 16 | 12 JUL 1982 | 1802 | 40°24.1'N | 67°39.7'W | 635 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 392 | 395.0 | 6.312 | 35.051 | 4.91 | 0.23 | 27.552 | 0.532 | 1483. | 2.0 |
| 393 | 396.0 | 6.289 | 35.048 | 4.92 | 0.23 | 27.553 | 0.533 | 1482. | 1.6 |
| 394 | 397.0 | 6.282 | 35.049 | 4.93 | 0.23 | 27.555 | 0.533 | 1482. | 1.5 |
| 395 | 398.0 | 6.280 | 35.049 | 4.95 | 0.23 | 27.556 | 0.534 | 1482. | 1.5 |
| 396 | 399.0 | 6.277 | 35.050 | 4.97 | 0.23 | 27.556 | 0.535 | 1482. | 1.5 |
| 397 | 400.0 | 6.276 | 35.049 | 4.95 | 0.23 | 27.556 | 0.535 | 1482. | 1.5 |
| 397 | 400.6 | 6.277 | 35.051 | 4.95 | 0.23 | 27.558 | 0.535 | 1482. | 1.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 17 | 12 JUL 1982 | 1903 | 40°25.8'N | 67°43.0'W | 139 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.9 | 23.744 | 35.186 | 4.69 | 0.17 | 23.859 | 0.000 | 1532. | 7.1 |
| 2 | 1.7 | 23.740 | 35.187 | 4.72 | 0.17 | 23.861 | 0.003 | 1532. | 7.1 |
| 4 | 4.1 | 23.750 | 35.187 | 4.69 | 0.17 | 23.858 | 0.013 | 1532. | 7.1 |
| 6 | 5.9 | 23.753 | 35.186 | 4.69 | 0.17 | 23.857 | 0.020 | 1532. | 7.1 |
| 8 | 8.0 | 23.737 | 35.184 | 4.69 | 0.17 | 23.860 | 0.029 | 1532. | 7.1 |
| 10 | 10.0 | 23.665 | 35.179 | 4.68 | 0.17 | 23.878 | 0.037 | 1531. | 8.5 |
| 12 | 12.0 | 23.292 | 35.144 | 4.74 | 0.17 | 23.960 | 0.045 | 1531. | 9.9 |
| 14 | 14.0 | 23.106 | 35.175 | 4.80 | 0.17 | 24.037 | 0.052 | 1530. | 10.9 |
| 16 | 16.0 | 22.771 | 35.175 | 4.88 | 0.17 | 24.134 | 0.060 | 1529. | 11.4 |
| 18 | 18.0 | 21.927 | 34.992 | 5.03 | 0.18 | 24.233 | 0.067 | 1527. | 11.5 |
| 20 | 20.0 | 21.480 | 34.949 | 5.10 | 0.18 | 24.325 | 0.075 | 1526. | 11.0 |
| 22 | 22.0 | 20.856 | 34.839 | 5.25 | 0.18 | 24.412 | 0.082 | 1524. | 10.6 |
| 24 | 23.9 | 20.669 | 34.833 | 5.29 | 0.18 | 24.458 | 0.089 | 1524. | 10.6 |
| 26 | 26.0 | 20.510 | 34.849 | 5.31 | 0.19 | 24.512 | 0.096 | 1523. | 10.5 |
| 28 | 28.0 | 20.494 | 34.894 | 5.31 | 0.19 | 24.551 | 0.103 | 1523. | 10.5 |
| 30 | 30.1 | 20.676 | 35.058 | 5.28 | 0.19 | 24.628 | 0.110 | 1524. | 10.7 |
| 32 | 31.9 | 21.153 | 35.412 | 5.18 | 0.21 | 24.768 | 0.116 | 1526. | 11.2 |
| 34 | 34.0 | 21.262 | 35.514 | 5.14 | 0.21 | 24.815 | 0.122 | 1526. | 11.5 |
| 36 | 36.0 | 21.036 | 35.516 | 5.17 | 0.22 | 24.879 | 0.128 | 1525. | 11.5 |
| 38 | 38.0 | 20.601 | 35.488 | 5.20 | 0.22 | 24.975 | 0.134 | 1524. | 11.3 |
| 40 | 40.1 | 20.242 | 35.507 | 5.23 | 0.23 | 25.086 | 0.140 | 1523. | 11.3 |
| 42 | 41.9 | 20.021 | 35.525 | 5.26 | 0.24 | 25.158 | 0.146 | 1523. | 11.6 |
| 44 | 44.0 | 19.911 | 35.550 | 5.24 | 0.25 | 25.206 | 0.152 | 1523. | 11.9 |
| 46 | 46.0 | 19.662 | 35.579 | 5.28 | 0.26 | 25.294 | 0.157 | 1522. | 12.1 |
| 48 | 47.9 | 19.784 | 35.772 | 5.23 | 0.28 | 25.409 | 0.162 | 1523. | 12.1 |
| 50 | 50.0 | 19.656 | 35.843 | 5.25 | 0.29 | 25.497 | 0.167 | 1522. | 11.9 |
| 52 | 52.0 | 18.916 | 35.781 | 5.36 | 0.32 | 25.641 | 0.172 | 1520. | 11.5 |
| 54 | 54.0 | 18.558 | 35.787 | 5.37 | 0.35 | 25.736 | 0.177 | 1519. | 10.8 |
| 56 | 56.0 | 18.387 | 35.774 | 5.34 | 0.35 | 25.770 | 0.181 | 1519. | 9.7 |
| 58 | 58.0 | 18.199 | 35.761 | 5.33 | 0.34 | 25.807 | 0.186 | 1518. | 8.8 |
| 60 | 60.0 | 17.999 | 35.740 | 5.32 | 0.34 | 25.841 | 0.190 | 1518. | 8.0 |
| 62 | 62.0 | 17.763 | 35.715 | 5.31 | 0.34 | 25.880 | 0.194 | 1517. | 8.1 |
| 64 | 64.0 | 17.655 | 35.709 | 5.26 | 0.33 | 25.901 | 0.199 | 1517. | 8.8 |
| 65 | 66.0 | 17.396 | 35.676 | 5.24 | 0.32 | 25.939 | 0.203 | 1516. | 9.4 |
| 68 | 68.0 | 16.919 | 35.617 | 5.26 | 0.30 | 26.008 | 0.207 | 1514. | 9.7 |
| 69 | 70.0 | 16.297 | 35.532 | 5.31 | 0.27 | 26.090 | 0.211 | 1512. | 10.0 |
| 71 | 72.0 | 15.656 | 35.474 | 5.31 | 0.23 | 26.192 | 0.215 | 1510. | 10.2 |
| 73 | 74.0 | 15.355 | 35.444 | 5.21 | 0.21 | 26.236 | 0.218 | 1510. | 10.0 |
| 75 | 76.0 | 15.101 | 35.431 | 5.14 | 0.19 | 26.283 | 0.222 | 1509. | 9.4 |
| 77 | 78.0 | 14.578 | 35.367 | 5.17 | 0.16 | 26.348 | 0.225 | 1507. | 8.6 |
| 79 | 80.0 | 14.316 | 35.352 | 5.11 | 0.15 | 26.393 | 0.229 | 1506. | 7.7 |
| 81 | 82.0 | 14.091 | 35.340 | 5.08 | 0.14 | 26.431 | 0.232 | 1506. | 7.0 |
| 83 | 84.0 | 13.922 | 35.327 | 5.00 | 0.14 | 26.457 | 0.235 | 1505. | 6.1 |
| 85 | 86.0 | 13.850 | 35.318 | 4.98 | 0.14 | 26.465 | 0.238 | 1505. | 5.4 |
| 87 | 88.0 | 13.807 | 35.317 | 4.97 | 0.13 | 26.474 | 0.241 | 1505. | 5.3 |
| 89 | 89.9 | 13.768 | 35.316 | 4.92 | 0.13 | 26.481 | 0.244 | 1505. | 5.6 |
| 91 | 92.0 | 13.725 | 35.312 | 4.88 | 0.13 | 26.487 | 0.248 | 1504. | 6.3 |
| 93 | 94.0 | 13.501 | 35.303 | 4.91 | 0.13 | 26.526 | 0.251 | 1504. | 7.2 |
| 95 | 95.9 | 13.324 | 35.309 | 4.90 | 0.12 | 26.567 | 0.254 | 1503. | 7.8 |
| 97 | 98.0 | 13.146 | 35.313 | 4.86 | 0.12 | 26.607 | 0.257 | 1503. | 8.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 17 | 12 JUL 1982 | 1903 | 40°25.8'N | 67°43.0'W | 139 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 12.902 | 35.319 | 4.83 | 0.11 | 26.661 | 0.260 | 1502. | 8.3 |
| 101 | 101.9 | 12.714 | 35.356 | 4.80 | 0.11 | 26.726 | 0.262 | 1501. | 7.9 |
| 103 | 104.0 | 12.675 | 35.389 | 4.67 | 0.11 | 26.760 | 0.265 | 1501. | 7.5 |
| 105 | 106.0 | 12.590 | 35.404 | 4.62 | 0.11 | 26.788 | 0.267 | 1501. | 7.1 |
| 107 | 108.0 | 12.594 | 35.436 | 4.56 | 0.11 | 26.812 | 0.270 | 1501. | 6.5 |
| 109 | 110.1 | 12.577 | 35.444 | 4.51 | 0.10 | 26.822 | 0.273 | 1501. | 6.0 |
| 111 | 111.9 | 12.471 | 35.440 | 4.48 | 0.10 | 26.840 | 0.275 | 1501. | 5.6 |
| 113 | 114.0 | 12.391 | 35.474 | 4.43 | 0.10 | 26.882 | 0.277 | 1501. | 5.2 |
| 115 | 116.0 | 12.339 | 35.484 | 4.40 | 0.10 | 26.900 | 0.280 | 1500. | 4.9 |
| 117 | 118.0 | 12.323 | 35.486 | 4.36 | 0.11 | 26.905 | 0.282 | 1500. | 4.6 |
| 119 | 120.0 | 12.319 | 35.489 | 4.34 | 0.11 | 26.907 | 0.284 | 1500. | 3.9 |
| 120 | 121.3 | 12.318 | 35.490 | 4.33 | 0.11 | 26.909 | 0.286 | 1500. | 2.7 |
| 121 | 122.0 | 12.316 | 35.491 | 4.31 | 0.11 | 26.910 | 0.287 | 1500. | 2.0 |
| 122 | 123.0 | 12.314 | 35.492 | 4.31 | 0.11 | 26.911 | 0.288 | 1501. | 1.7 |
| 123 | 124.0 | 12.313 | 35.492 | 4.31 | 0.11 | 26.912 | 0.289 | 1501. | 1.4 |
| 124 | 125.0 | 12.312 | 35.493 | 4.31 | 0.11 | 26.912 | 0.290 | 1501. | 1.3 |
| 125 | 126.0 | 12.312 | 35.493 | 4.29 | 0.11 | 26.912 | 0.291 | 1501. | 1.1 |
| 126 | 127.0 | 12.312 | 35.493 | 4.29 | 0.11 | 26.912 | 0.293 | 1501. | 1.0 |
| 127 | 128.0 | 12.312 | 35.494 | 4.30 | 0.11 | 26.913 | 0.294 | 1501. | 0.8 |
| 128 | 129.0 | 12.311 | 35.494 | 4.30 | 0.11 | 26.913 | 0.295 | 1501. | 0.7 |
| 129 | 130.0 | 12.310 | 35.494 | 4.29 | 0.11 | 26.913 | 0.296 | 1501. | 0.4 |
| 130 | 131.0 | 12.311 | 35.494 | 4.28 | 0.12 | 26.913 | 0.297 | 1501. | -0.1 |
| 131 | 132.0 | 12.313 | 35.494 | 4.29 | 0.11 | 26.913 | 0.298 | 1501. | -0.5 |
| 132 | 133.0 | 12.313 | 35.494 | 4.30 | 0.11 | 26.913 | 0.300 | 1501. | -0.6 |
| 133 | 134.0 | 12.314 | 35.494 | 4.31 | 0.11 | 26.913 | 0.301 | 1501. | -0.7 |
| 134 | 135.0 | 12.315 | 35.494 | 4.30 | 0.11 | 26.913 | 0.302 | 1501. | -0.7 |
| 135 | 136.0 | 12.315 | 35.494 | 4.28 | 0.11 | 26.912 | 0.303 | 1501. | -0.7 |
| 136 | 137.0 | 12.315 | 35.494 | 4.28 | 0.11 | 26.912 | 0.304 | 1501. | -0.7 |
| 137 | 138.1 | 12.317 | 35.494 | 4.23 | 0.12 | 26.912 | 0.305 | 1501. | -0.7 |
| 138 | 138.8 | 12.316 | 35.493 | 4.17 | 0.12 | 26.912 | 0.306 | 1501. | -0.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 18 | 12 JUL 1982 | 1930 | 40°26.4'N | 67°41.1'W | 140 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.9 | 23.777 | 35.178 | 4.75 | 0.16 | 23.844 | 0.000 | 1532. | 8.4 |
| 2 | 2.0 | 23.790 | 35.179 | 4.62 | 0.16 | 23.841 | 0.004 | 1532. | 8.4 |
| 4 | 4.1 | 23.798 | 35.180 | 4.62 | 0.16 | 23.839 | 0.013 | 1532. | 8.4 |
| 6 | 5.9 | 23.718 | 35.164 | 4.69 | 0.16 | 23.850 | 0.020 | 1532. | 8.4 |
| 8 | 7.9 | 23.398 | 35.118 | 4.76 | 0.16 | 23.909 | 0.029 | 1531. | 8.4 |
| 10 | 10.0 | 23.080 | 35.103 | 4.81 | 0.17 | 23.990 | 0.036 | 1530. | 9.0 |
| 12 | 12.0 | 22.860 | 35.099 | 4.86 | 0.17 | 24.051 | 0.045 | 1529. | 10.0 |
| 14 | 14.0 | 22.770 | 35.123 | 4.85 | 0.17 | 24.094 | 0.052 | 1529. | 10.7 |
| 16 | 16.0 | 22.611 | 35.141 | 4.88 | 0.17 | 24.154 | 0.060 | 1529. | 11.6 |
| 18 | 18.0 | 22.528 | 35.198 | 4.91 | 0.18 | 24.221 | 0.067 | 1529. | 12.0 |
| 20 | 20.0 | 22.342 | 35.315 | 4.95 | 0.19 | 24.362 | 0.075 | 1528. | 12.2 |
| 22 | 22.0 | 21.910 | 35.294 | 5.03 | 0.21 | 24.468 | 0.081 | 1527. | 12.2 |
| 24 | 24.0 | 21.507 | 35.366 | 5.06 | 0.22 | 24.635 | 0.088 | 1526. | 12.1 |
| 26 | 26.0 | 21.393 | 35.393 | 5.09 | 0.22 | 24.687 | 0.095 | 1526. | 12.0 |
| 28 | 27.9 | 21.375 | 35.412 | 5.10 | 0.22 | 24.706 | 0.101 | 1526. | 11.8 |
| 30 | 30.0 | 21.261 | 35.484 | 5.12 | 0.22 | 24.793 | 0.108 | 1526. | 12.1 |
| 32 | 32.0 | 21.077 | 35.541 | 5.14 | 0.22 | 24.886 | 0.114 | 1526. | 12.1 |
| 34 | 34.0 | 20.737 | 35.579 | 5.17 | 0.22 | 25.007 | 0.120 | 1525. | 12.5 |
| 36 | 36.0 | 20.319 | 35.593 | 5.22 | 0.22 | 25.131 | 0.126 | 1524. | 12.7 |
| 38 | 38.0 | 19.876 | 35.628 | 5.23 | 0.24 | 25.275 | 0.131 | 1522. | 12.5 |
| 40 | 40.0 | 19.752 | 35.640 | 5.24 | 0.25 | 25.317 | 0.137 | 1522. | 11.9 |
| 42 | 42.0 | 19.410 | 35.626 | 5.31 | 0.26 | 25.396 | 0.142 | 1521. | 11.1 |
| 44 | 44.0 | 19.009 | 35.639 | 5.36 | 0.28 | 25.508 | 0.147 | 1520. | 10.2 |
| 46 | 46.0 | 18.756 | 35.638 | 5.37 | 0.30 | 25.572 | 0.152 | 1519. | 9.4 |
| 48 | 48.0 | 18.732 | 35.658 | 5.35 | 0.30 | 25.593 | 0.157 | 1519. | 9.6 |
| 50 | 50.0 | 18.649 | 35.671 | 5.34 | 0.31 | 25.625 | 0.161 | 1519. | 9.7 |
| 52 | 52.0 | 18.535 | 35.689 | 5.31 | 0.31 | 25.667 | 0.166 | 1519. | 9.7 |
| 54 | 54.0 | 18.409 | 35.712 | 5.29 | 0.31 | 25.717 | 0.171 | 1519. | 9.8 |
| 56 | 56.0 | 17.883 | 35.713 | 5.33 | 0.31 | 25.848 | 0.175 | 1517. | 10.0 |
| 58 | 58.0 | 17.410 | 35.688 | 5.32 | 0.28 | 25.945 | 0.179 | 1516. | 10.0 |
| 60 | 60.0 | 17.255 | 35.675 | 5.22 | 0.28 | 25.972 | 0.183 | 1515. | 9.5 |
| 61 | 62.0 | 17.128 | 35.660 | 5.18 | 0.27 | 25.991 | 0.187 | 1515. | 8.6 |
| 64 | 64.0 | 16.659 | 35.603 | 5.21 | 0.26 | 26.059 | 0.192 | 1514. | 7.3 |
| 65 | 66.0 | 16.468 | 35.598 | 5.18 | 0.25 | 26.100 | 0.195 | 1513. | 6.3 |
| 68 | 68.0 | 16.424 | 35.599 | 5.14 | 0.25 | 26.111 | 0.199 | 1513. | 5.7 |
| 69 | 69.9 | 16.402 | 35.599 | 5.11 | 0.25 | 26.116 | 0.203 | 1513. | 5.0 |
| 71 | 72.0 | 16.359 | 35.598 | 5.09 | 0.24 | 26.125 | 0.207 | 1513. | 4.1 |
| 73 | 74.0 | 16.316 | 35.595 | 5.08 | 0.24 | 26.133 | 0.211 | 1513. | 4.2 |
| 75 | 76.0 | 16.306 | 35.594 | 5.07 | 0.24 | 26.135 | 0.214 | 1513. | 5.2 |
| 77 | 78.0 | 16.208 | 35.586 | 5.06 | 0.24 | 26.151 | 0.218 | 1512. | 6.0 |
| 79 | 80.0 | 16.132 | 35.578 | 5.04 | 0.23 | 26.163 | 0.222 | 1512. | 6.6 |
| 81 | 81.9 | 15.820 | 35.543 | 5.05 | 0.22 | 26.207 | 0.226 | 1511. | 7.2 |
| 83 | 84.1 | 15.327 | 35.482 | 5.06 | 0.20 | 26.272 | 0.229 | 1510. | 7.6 |
| 85 | 86.0 | 15.069 | 35.451 | 5.02 | 0.18 | 26.305 | 0.233 | 1509. | 8.1 |
| 87 | 88.0 | 14.817 | 35.409 | 5.00 | 0.18 | 26.328 | 0.236 | 1508. | 8.6 |
| 89 | 90.0 | 14.417 | 35.353 | 5.00 | 0.16 | 26.372 | 0.240 | 1507. | 9.0 |
| 91 | 92.0 | 14.193 | 35.332 | 4.95 | 0.15 | 26.403 | 0.243 | 1506. | 9.1 |
| 93 | 94.0 | 13.661 | 35.296 | 4.98 | 0.13 | 26.487 | 0.246 | 1504. | 9.2 |
| 95 | 96.0 | 13.272 | 35.297 | 4.96 | 0.12 | 26.568 | 0.249 | 1503. | 8.9 |
| 97 | 98.0 | 13.006 | 35.310 | 4.88 | 0.11 | 26.632 | 0.252 | 1502. | 8.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 18 | 12 JUL 1982 | 1930 | 40°26.4'N | 67°41.1'W | 140 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.1 | 12.909 | 35.323 | 4.80 | 0.11 | 26.662 | 0.255 | 1502. | 7.4 |
| 101 | 102.0 | 12.875 | 35.328 | 4.74 | 0.11 | 26.673 | 0.258 | 1502. | 6.2 |
| 103 | 104.0 | 12.854 | 35.329 | 4.68 | 0.11 | 26.678 | 0.260 | 1502. | 5.2 |
| 105 | 106.0 | 12.801 | 35.335 | 4.67 | 0.11 | 26.693 | 0.263 | 1502. | 4.7 |
| 107 | 107.9 | 12.782 | 35.342 | 4.65 | 0.11 | 26.702 | 0.266 | 1502. | 4.7 |
| 109 | 110.0 | 12.746 | 35.346 | 4.63 | 0.11 | 26.713 | 0.269 | 1502. | 4.9 |
| 111 | 112.0 | 12.686 | 35.359 | 4.63 | 0.11 | 26.735 | 0.271 | 1501. | 4.9 |
| 113 | 114.0 | 12.654 | 35.379 | 4.63 | 0.11 | 26.756 | 0.274 | 1501. | 4.8 |
| 115 | 116.0 | 12.608 | 35.389 | 4.59 | 0.11 | 26.773 | 0.276 | 1501. | 4.8 |
| 117 | 118.0 | 12.656 | 35.417 | 4.54 | 0.11 | 26.785 | 0.279 | 1501. | 4.7 |
| 119 | 120.0 | 12.763 | 35.452 | 4.47 | 0.10 | 26.791 | 0.282 | 1502. | 4.5 |
| 120 | 121.3 | 12.809 | 35.470 | 4.47 | 0.10 | 26.796 | 0.283 | 1502. | 4.6 |
| 121 | 122.0 | 12.832 | 35.484 | 4.48 | 0.09 | 26.802 | 0.284 | 1502. | 5.0 |
| 122 | 123.0 | 12.859 | 35.497 | 4.47 | 0.09 | 26.807 | 0.285 | 1502. | 5.7 |
| 123 | 124.0 | 12.788 | 35.503 | 4.46 | 0.09 | 26.826 | 0.287 | 1502. | 6.3 |
| 124 | 125.0 | 12.736 | 35.508 | 4.46 | 0.09 | 26.840 | 0.288 | 1502. | 6.4 |
| 125 | 126.0 | 12.583 | 35.493 | 4.46 | 0.09 | 26.859 | 0.289 | 1501. | 6.3 |
| 126 | 127.0 | 12.458 | 35.479 | 4.46 | 0.10 | 26.873 | 0.290 | 1501. | 5.9 |
| 127 | 128.0 | 12.422 | 35.482 | 4.45 | 0.11 | 26.882 | 0.291 | 1501. | 5.3 |
| 128 | 129.0 | 12.405 | 35.482 | 4.42 | 0.11 | 26.886 | 0.293 | 1501. | 4.6 |
| 129 | 130.0 | 12.370 | 35.479 | 4.40 | 0.11 | 26.890 | 0.294 | 1501. | 3.8 |
| 130 | 131.0 | 12.343 | 35.479 | 4.39 | 0.12 | 26.896 | 0.295 | 1501. | 3.3 |
| 131 | 132.0 | 12.337 | 35.481 | 4.36 | 0.13 | 26.898 | 0.296 | 1501. | 3.2 |
| 132 | 133.1 | 12.326 | 35.478 | 4.32 | 0.12 | 26.898 | 0.297 | 1501. | 3.3 |
| 133 | 134.0 | 12.280 | 35.466 | 4.33 | 0.12 | 26.897 | 0.299 | 1501. | 3.3 |
| 134 | 135.0 | 12.219 | 35.461 | 4.38 | 0.12 | 26.905 | 0.300 | 1500. | 3.3 |
| 135 | 136.0 | 12.221 | 35.467 | 4.22 | 0.12 | 26.910 | 0.301 | 1500. | 3.3 |
| 136 | 136.9 | 12.188 | 35.466 | 4.16 | 0.13 | 26.915 | 0.302 | 1500. | 3.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 19 | 12 JUL 1982 | 1953 | 40°26.5'N | 67°40.7'W | 185 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 23.723 | 35.175 | 4.80 | 0.16 | 23.857 | 0.000 | 1531. | 9.4 |
| 2 | 1.9 | 23.721 | 35.173 | 4.85 | 0.16 | 23.857 | 0.004 | 1531. | 9.4 |
| 4 | 4.1 | 23.719 | 35.172 | 4.82 | 0.16 | 23.857 | 0.013 | 1532. | 9.4 |
| 6 | 6.0 | 23.579 | 35.143 | 4.75 | 0.16 | 23.875 | 0.021 | 1531. | 9.4 |
| 8 | 8.0 | 23.227 | 35.129 | 4.83 | 0.15 | 23.967 | 0.029 | 1530. | 9.4 |
| 10 | 10.0 | 22.969 | 35.127 | 4.85 | 0.16 | 24.040 | 0.037 | 1530. | 10.0 |
| 12 | 12.0 | 22.907 | 35.184 | 4.86 | 0.16 | 24.102 | 0.044 | 1530. | 10.5 |
| 14 | 14.1 | 22.840 | 35.265 | 4.89 | 0.17 | 24.182 | 0.052 | 1530. | 10.6 |
| 16 | 15.9 | 22.658 | 35.290 | 4.93 | 0.18 | 24.253 | 0.059 | 1529. | 10.4 |
| 18 | 18.0 | 22.570 | 35.352 | 4.93 | 0.18 | 24.326 | 0.067 | 1529. | 10.5 |
| 20 | 20.0 | 22.367 | 35.340 | 4.98 | 0.18 | 24.374 | 0.074 | 1529. | 10.6 |
| 22 | 22.0 | 21.974 | 35.307 | 5.05 | 0.20 | 24.459 | 0.081 | 1527. | 10.6 |
| 24 | 24.0 | 21.850 | 35.327 | 5.07 | 0.21 | 24.510 | 0.088 | 1527. | 10.9 |
| 26 | 26.1 | 21.561 | 35.358 | 5.12 | 0.21 | 24.614 | 0.095 | 1527. | 11.6 |
| 28 | 28.0 | 21.393 | 35.394 | 5.12 | 0.23 | 24.688 | 0.101 | 1526. | 12.1 |
| 30 | 30.0 | 21.318 | 35.452 | 5.12 | 0.23 | 24.752 | 0.107 | 1526. | 12.0 |
| 32 | 32.0 | 21.109 | 35.518 | 5.16 | 0.22 | 24.860 | 0.114 | 1526. | 12.0 |
| 34 | 34.1 | 20.598 | 35.592 | 5.25 | 0.22 | 25.055 | 0.120 | 1524. | 11.8 |
| 36 | 36.0 | 20.465 | 35.602 | 5.26 | 0.23 | 25.099 | 0.125 | 1524. | 11.6 |
| 38 | 38.0 | 20.363 | 35.600 | 5.26 | 0.23 | 25.124 | 0.131 | 1524. | 11.3 |
| 40 | 40.0 | 20.002 | 35.598 | 5.32 | 0.24 | 25.211 | 0.137 | 1523. | 10.8 |
| 42 | 42.0 | 19.734 | 35.603 | 5.33 | 0.25 | 25.293 | 0.142 | 1522. | 10.3 |
| 44 | 44.0 | 19.519 | 35.605 | 5.36 | 0.25 | 25.351 | 0.147 | 1522. | 10.3 |
| 46 | 46.0 | 19.196 | 35.610 | 5.39 | 0.26 | 25.438 | 0.153 | 1521. | 10.4 |
| 48 | 48.0 | 18.958 | 35.620 | 5.41 | 0.27 | 25.507 | 0.158 | 1520. | 10.2 |
| 50 | 50.0 | 18.782 | 35.628 | 5.39 | 0.28 | 25.558 | 0.163 | 1520. | 10.3 |
| 52 | 52.0 | 18.672 | 35.633 | 5.37 | 0.29 | 25.590 | 0.167 | 1519. | 10.5 |
| 54 | 54.0 | 18.279 | 35.646 | 5.40 | 0.30 | 25.699 | 0.172 | 1518. | 10.7 |
| 56 | 56.0 | 18.097 | 35.655 | 5.37 | 0.29 | 25.751 | 0.177 | 1518. | 10.7 |
| 58 | 58.0 | 17.830 | 35.688 | 5.36 | 0.29 | 25.842 | 0.181 | 1517. | 10.4 |
| 60 | 60.0 | 17.410 | 35.686 | 5.36 | 0.27 | 25.943 | 0.185 | 1516. | 9.8 |
| 61 | 61.9 | 17.042 | 35.659 | 5.32 | 0.26 | 26.011 | 0.189 | 1515. | 9.1 |
| 63 | 64.0 | 16.936 | 35.656 | 5.20 | 0.25 | 26.034 | 0.193 | 1514. | 8.5 |
| 65 | 66.0 | 16.863 | 35.649 | 5.13 | 0.24 | 26.046 | 0.197 | 1514. | 7.8 |
| 67 | 68.0 | 16.832 | 35.647 | 5.08 | 0.24 | 26.052 | 0.201 | 1514. | 7.3 |
| 69 | 70.0 | 16.278 | 35.571 | 5.13 | 0.23 | 26.124 | 0.205 | 1512. | 7.3 |
| 71 | 72.0 | 16.040 | 35.552 | 5.10 | 0.21 | 26.164 | 0.209 | 1512. | 7.5 |
| 73 | 74.0 | 15.872 | 35.528 | 5.08 | 0.21 | 26.184 | 0.213 | 1511. | 7.8 |
| 75 | 75.9 | 15.436 | 35.465 | 5.12 | 0.20 | 26.234 | 0.216 | 1510. | 7.9 |
| 77 | 78.0 | 15.227 | 35.452 | 5.10 | 0.19 | 26.271 | 0.220 | 1509. | 7.6 |
| 79 | 80.0 | 15.059 | 35.434 | 5.06 | 0.18 | 26.295 | 0.223 | 1509. | 7.6 |
| 81 | 82.0 | 14.763 | 35.411 | 5.06 | 0.17 | 26.342 | 0.227 | 1508. | 7.7 |
| 83 | 84.0 | 14.484 | 35.385 | 5.03 | 0.15 | 26.382 | 0.230 | 1507. | 7.8 |
| 85 | 86.0 | 14.141 | 35.334 | 5.03 | 0.15 | 26.416 | 0.233 | 1506. | 8.0 |
| 87 | 88.0 | 13.922 | 35.315 | 5.01 | 0.14 | 26.448 | 0.237 | 1505. | 8.2 |
| 89 | 90.0 | 13.763 | 35.321 | 4.96 | 0.13 | 26.486 | 0.240 | 1505. | 8.1 |
| 91 | 92.0 | 13.457 | 35.327 | 4.94 | 0.12 | 26.554 | 0.243 | 1504. | 7.9 |
| 93 | 94.0 | 13.288 | 35.326 | 4.87 | 0.11 | 26.588 | 0.246 | 1503. | 7.6 |
| 95 | 96.0 | 13.033 | 35.323 | 4.86 | 0.11 | 26.637 | 0.249 | 1502. | 7.0 |
| 97 | 98.0 | 12.963 | 35.329 | 4.83 | 0.11 | 26.656 | 0.251 | 1502. | 6.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 19 | 12 JUL 1982 | 1953 | 40°26.5'N | 67°40.7'W | 185 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 12.890 | 35.331 | 4.76 | 0.11 | 26.672 | 0.254 | 1502. | 5.3 |
| 101 | 102.0 | 12.838 | 35.332 | 4.73 | 0.11 | 26.683 | 0.257 | 1502. | 4.5 |
| 103 | 104.0 | 12.808 | 35.330 | 4.74 | 0.11 | 26.688 | 0.260 | 1502. | 3.7 |
| 105 | 106.0 | 12.793 | 35.336 | 4.68 | 0.11 | 26.696 | 0.263 | 1502. | 3.3 |
| 107 | 108.0 | 12.763 | 35.337 | 4.65 | 0.11 | 26.702 | 0.265 | 1502. | 3.1 |
| 109 | 110.0 | 12.748 | 35.339 | 4.64 | 0.11 | 26.707 | 0.268 | 1502. | 3.0 |
| 111 | 112.0 | 12.764 | 35.346 | 4.65 | 0.11 | 26.709 | 0.271 | 1502. | 2.9 |
| 113 | 114.0 | 12.748 | 35.350 | 4.66 | 0.11 | 26.715 | 0.273 | 1502. | 2.7 |
| 115 | 116.0 | 12.752 | 35.362 | 4.64 | 0.11 | 26.724 | 0.276 | 1502. | 2.5 |
| 117 | 118.0 | 12.794 | 35.378 | 4.63 | 0.11 | 26.728 | 0.279 | 1502. | 2.2 |
| 119 | 120.0 | 12.842 | 35.393 | 4.61 | 0.11 | 26.730 | 0.281 | 1502. | 2.1 |
| 121 | 122.0 | 12.861 | 35.396 | 4.61 | 0.10 | 26.729 | 0.284 | 1502. | 2.3 |
| 123 | 124.0 | 12.879 | 35.402 | 4.59 | 0.10 | 26.729 | 0.287 | 1502. | 2.8 |
| 125 | 126.0 | 12.895 | 35.407 | 4.57 | 0.10 | 26.730 | 0.289 | 1502. | 3.3 |
| 127 | 128.0 | 12.959 | 35.431 | 4.58 | 0.10 | 26.736 | 0.292 | 1503. | 3.7 |
| 129 | 129.9 | 13.005 | 35.468 | 4.56 | 0.10 | 26.755 | 0.295 | 1503. | 4.0 |
| 131 | 132.0 | 12.970 | 35.487 | 4.55 | 0.09 | 26.777 | 0.297 | 1503. | 4.2 |
| 133 | 134.0 | 12.970 | 35.493 | 4.52 | 0.09 | 26.782 | 0.300 | 1503. | 4.2 |
| 135 | 136.0 | 12.986 | 35.504 | 4.50 | 0.09 | 26.787 | 0.303 | 1503. | 4.1 |
| 137 | 138.0 | 12.973 | 35.518 | 4.47 | 0.09 | 26.800 | 0.305 | 1503. | 4.0 |
| 139 | 140.0 | 12.933 | 35.517 | 4.47 | 0.09 | 26.808 | 0.308 | 1503. | 4.1 |
| 141 | 142.0 | 12.867 | 35.510 | 4.45 | 0.09 | 26.815 | 0.310 | 1503. | 4.4 |
| 143 | 144.0 | 12.758 | 35.501 | 4.43 | 0.09 | 26.831 | 0.313 | 1502. | 4.6 |
| 145 | 146.0 | 12.676 | 35.496 | 4.41 | 0.09 | 26.843 | 0.315 | 1502. | 4.7 |
| 147 | 148.0 | 12.525 | 35.478 | 4.41 | 0.10 | 26.859 | 0.318 | 1502. | 4.8 |
| 149 | 150.0 | 12.375 | 35.466 | 4.40 | 0.11 | 26.879 | 0.320 | 1501. | 4.7 |
| 151 | 152.0 | 12.246 | 35.456 | 4.37 | 0.11 | 26.896 | 0.322 | 1501. | 4.5 |
| 153 | 154.0 | 12.149 | 35.442 | 4.34 | 0.11 | 26.905 | 0.325 | 1500. | 4.2 |
| 155 | 156.0 | 12.049 | 35.429 | 4.31 | 0.12 | 26.914 | 0.327 | 1500. | 3.9 |
| 157 | 158.0 | 11.985 | 35.424 | 4.29 | 0.12 | 26.922 | 0.330 | 1500. | 3.5 |
| 159 | 160.0 | 11.943 | 35.420 | 4.28 | 0.13 | 26.927 | 0.332 | 1500. | 3.2 |
| 161 | 161.9 | 11.920 | 35.420 | 4.28 | 0.13 | 26.931 | 0.334 | 1500. | 3.0 |
| 163 | 164.0 | 11.878 | 35.420 | 4.24 | 0.13 | 26.939 | 0.336 | 1500. | 2.8 |
| 165 | 166.0 | 11.859 | 35.419 | 4.22 | 0.12 | 26.942 | 0.339 | 1500. | 2.8 |
| 167 | 168.0 | 11.846 | 35.419 | 4.23 | 0.12 | 26.945 | 0.341 | 1500. | 2.8 |
| 169 | 170.0 | 11.815 | 35.418 | 4.23 | 0.12 | 26.950 | 0.343 | 1499. | 2.8 |
| 170 | 171.2 | 11.792 | 35.417 | 4.22 | 0.12 | 26.954 | 0.345 | 1499. | 2.7 |
| 171 | 172.0 | 11.776 | 35.418 | 4.20 | 0.13 | 26.957 | 0.345 | 1499. | 2.9 |
| 172 | 173.0 | 11.760 | 35.417 | 4.19 | 0.12 | 26.960 | 0.347 | 1499. | 3.0 |
| 173 | 174.0 | 11.744 | 35.415 | 4.21 | 0.12 | 26.961 | 0.348 | 1499. | 3.0 |
| 174 | 175.0 | 11.729 | 35.415 | 4.22 | 0.12 | 26.963 | 0.349 | 1499. | 3.2 |
| 175 | 176.0 | 11.722 | 35.418 | 4.17 | 0.12 | 26.968 | 0.350 | 1499. | 3.3 |
| 175 | 176.9 | 11.712 | 35.419 | 4.13 | 0.12 | 26.970 | 0.351 | 1499. | 3.5 |
| 177 | 178.0 | 11.699 | 35.419 | 4.09 | 0.12 | 26.973 | 0.352 | 1499. | 3.6 |
| 178 | 179.0 | 11.621 | 35.411 | 4.13 | 0.11 | 26.981 | 0.353 | 1499. | 3.5 |
| 179 | 180.0 | 11.617 | 35.416 | 4.11 | 0.12 | 26.986 | 0.355 | 1499. | 3.3 |
| 180 | 181.0 | 11.599 | 35.415 | 4.09 | 0.11 | 26.989 | 0.356 | 1499. | 3.0 |
| 181 | 182.0 | 11.592 | 35.415 | 4.13 | 0.12 | 26.990 | 0.357 | 1499. | 2.6 |
| 181 | 183.0 | 11.592 | 35.417 | 4.13 | 0.12 | 26.991 | 0.358 | 1499. | 2.6 |
| 183 | 184.0 | 11.585 | 35.415 | 4.13 | 0.12 | 26.991 | 0.359 | 1499. | 2.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 19 | 12 JUL 1982 | 1953 | 40°26.5'N | 67°40.7'W | 185 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 183 | 185.0 | 11.579 | 35.414 | 4.13 | 0.12 | 26.992 | 0.360 | 1499. | 2.6 |
| 185 | 186.0 | 11.576 | 35.414 | 4.11 | 0.12 | 26.992 | 0.361 | 1499. | 2.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 21 | 12 JUL 1982 | 2013 | 40°26.6'N | 67°40.3'W | 255 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYNT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 23.810 | 35.169 | 4.80 | 0.16 | 23.827 | 0.000 | 1532. | 8.7 |
| 2 | 1.9 | 23.761 | 35.172 | 4.82 | 0.16 | 23.844 | 0.005 | 1532. | 8.7 |
| 4 | 4.0 | 23.734 | 35.172 | 4.83 | 0.15 | 23.852 | 0.013 | 1532. | 8.7 |
| 6 | 6.0 | 23.726 | 35.170 | 4.86 | 0.15 | 23.853 | 0.021 | 1532. | 8.7 |
| 8 | 8.0 | 23.596 | 35.146 | 4.89 | 0.15 | 23.872 | 0.029 | 1531. | 8.7 |
| 10 | 10.0 | 23.222 | 35.142 | 4.90 | 0.15 | 23.978 | 0.037 | 1530. | 9.7 |
| 12 | 12.0 | 23.029 | 35.147 | 4.89 | 0.15 | 24.038 | 0.045 | 1530. | 10.5 |
| 14 | 14.0 | 22.986 | 35.213 | 4.86 | 0.16 | 24.101 | 0.053 | 1530. | 11.0 |
| 16 | 16.0 | 22.869 | 35.313 | 4.91 | 0.16 | 24.211 | 0.060 | 1530. | 11.1 |
| 18 | 18.0 | 22.653 | 35.350 | 4.93 | 0.18 | 24.301 | 0.067 | 1529. | 11.0 |
| 20 | 19.9 | 22.447 | 35.341 | 4.96 | 0.18 | 24.352 | 0.074 | 1529. | 11.1 |
| 22 | 22.0 | 22.051 | 35.294 | 5.01 | 0.20 | 24.428 | 0.082 | 1528. | 11.1 |
| 24 | 24.0 | 21.888 | 35.329 | 5.04 | 0.21 | 24.501 | 0.089 | 1527. | 10.8 |
| 26 | 26.0 | 21.639 | 35.353 | 5.09 | 0.21 | 24.589 | 0.096 | 1527. | 10.9 |
| 28 | 28.0 | 21.431 | 35.389 | 5.13 | 0.22 | 24.673 | 0.102 | 1526. | 11.4 |
| 30 | 30.0 | 21.358 | 35.440 | 5.14 | 0.22 | 24.732 | 0.109 | 1526. | 11.6 |
| 32 | 32.0 | 21.242 | 35.470 | 5.16 | 0.22 | 24.787 | 0.115 | 1526. | 11.9 |
| 34 | 34.0 | 20.996 | 35.538 | 5.20 | 0.22 | 24.906 | 0.121 | 1525. | 12.1 |
| 36 | 36.0 | 20.697 | 35.614 | 5.24 | 0.22 | 25.045 | 0.127 | 1525. | 12.0 |
| 38 | 38.0 | 20.452 | 35.600 | 5.26 | 0.22 | 25.101 | 0.133 | 1524. | 11.8 |
| 40 | 40.0 | 19.976 | 35.603 | 5.34 | 0.23 | 25.229 | 0.139 | 1523. | 11.6 |
| 42 | 42.0 | 19.643 | 35.606 | 5.38 | 0.24 | 25.319 | 0.144 | 1522. | 11.3 |
| 44 | 44.0 | 19.599 | 35.612 | 5.36 | 0.25 | 25.335 | 0.149 | 1522. | 10.9 |
| 46 | 46.0 | 19.375 | 35.605 | 5.39 | 0.25 | 25.388 | 0.155 | 1521. | 10.9 |
| 48 | 48.0 | 18.913 | 35.609 | 5.44 | 0.27 | 25.510 | 0.159 | 1520. | 10.5 |
| 50 | 50.1 | 18.597 | 35.615 | 5.43 | 0.28 | 25.595 | 0.165 | 1519. | 10.8 |
| 52 | 52.0 | 18.439 | 35.627 | 5.42 | 0.28 | 25.644 | 0.169 | 1519. | 11.4 |
| 54 | 54.0 | 18.158 | 35.642 | 5.41 | 0.29 | 25.726 | 0.174 | 1518. | 11.3 |
| 56 | 56.0 | 18.031 | 35.651 | 5.37 | 0.28 | 25.764 | 0.178 | 1518. | 10.8 |
| 58 | 58.0 | 17.532 | 35.677 | 5.41 | 0.28 | 25.907 | 0.183 | 1516. | 10.2 |
| 60 | 60.0 | 17.040 | 35.661 | 5.37 | 0.25 | 26.013 | 0.187 | 1515. | 9.7 |
| 62 | 62.0 | 16.978 | 35.669 | 5.24 | 0.24 | 26.034 | 0.191 | 1515. | 8.9 |
| 64 | 64.0 | 16.899 | 35.660 | 5.18 | 0.24 | 26.046 | 0.195 | 1514. | 8.1 |
| 66 | 66.1 | 16.773 | 35.641 | 5.15 | 0.23 | 26.062 | 0.199 | 1514. | 7.0 |
| 67 | 68.0 | 16.407 | 35.596 | 5.17 | 0.22 | 26.112 | 0.202 | 1513. | 6.7 |
| 69 | 70.0 | 16.331 | 35.605 | 5.10 | 0.21 | 26.137 | 0.206 | 1513. | 7.0 |
| 71 | 72.0 | 16.230 | 35.591 | 5.05 | 0.21 | 26.150 | 0.210 | 1512. | 7.2 |
| 73 | 74.0 | 15.926 | 35.556 | 5.10 | 0.20 | 26.193 | 0.214 | 1511. | 7.5 |
| 75 | 76.0 | 15.578 | 35.525 | 5.10 | 0.18 | 26.248 | 0.217 | 1510. | 7.8 |
| 77 | 78.0 | 15.461 | 35.522 | 5.06 | 0.18 | 26.273 | 0.221 | 1510. | 8.0 |
| 79 | 80.0 | 15.341 | 35.509 | 5.03 | 0.17 | 26.289 | 0.224 | 1510. | 8.0 |
| 81 | 82.0 | 14.651 | 35.408 | 5.10 | 0.15 | 26.364 | 0.228 | 1507. | 7.7 |
| 83 | 84.1 | 14.270 | 35.374 | 5.07 | 0.14 | 26.419 | 0.231 | 1506. | 7.4 |
| 85 | 86.0 | 14.084 | 35.359 | 5.06 | 0.13 | 26.447 | 0.234 | 1506. | 7.3 |
| 87 | 88.0 | 13.966 | 35.340 | 4.98 | 0.13 | 26.458 | 0.238 | 1505. | 7.2 |
| 89 | 90.0 | 13.834 | 35.325 | 4.94 | 0.13 | 26.474 | 0.241 | 1505. | 7.0 |
| 91 | 92.0 | 13.665 | 35.319 | 4.94 | 0.12 | 26.504 | 0.244 | 1504. | 7.0 |
| 93 | 94.0 | 13.518 | 35.336 | 4.95 | 0.12 | 26.548 | 0.247 | 1504. | 7.1 |
| 95 | 96.0 | 13.334 | 35.343 | 4.95 | 0.11 | 26.591 | 0.250 | 1503. | 7.1 |
| 97 | 98.0 | 13.213 | 35.372 | 4.90 | 0.11 | 26.639 | 0.253 | 1503. | 6.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 21 | 12 JUL 1982 | 2013 | 40°26.6'N | 67°40.3'W | 255 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYNT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.1 | 13.142 | 35.369 | 4.78 | 0.11 | 26.651 | 0.256 | 1503. | 6.4 |
| 101 | 102.0 | 13.005 | 35.358 | 4.81 | 0.11 | 26.670 | 0.258 | 1502. | 5.6 |
| 103 | 104.0 | 12.926 | 35.373 | 4.76 | 0.10 | 26.697 | 0.261 | 1502. | 4.9 |
| 105 | 106.0 | 12.990 | 35.402 | 4.71 | 0.10 | 26.707 | 0.264 | 1502. | 4.1 |
| 107 | 108.0 | 13.007 | 35.408 | 4.69 | 0.10 | 26.708 | 0.266 | 1502. | 3.5 |
| 109 | 110.0 | 12.992 | 35.409 | 4.67 | 0.10 | 26.712 | 0.269 | 1502. | 3.0 |
| 111 | 112.0 | 13.002 | 35.420 | 4.66 | 0.10 | 26.719 | 0.272 | 1503. | 2.5 |
| 113 | 114.0 | 13.041 | 35.431 | 4.63 | 0.10 | 26.719 | 0.275 | 1503. | 2.4 |
| 115 | 116.0 | 13.041 | 35.432 | 4.66 | 0.09 | 26.720 | 0.277 | 1503. | 2.5 |
| 117 | 118.0 | 13.053 | 35.444 | 4.64 | 0.09 | 26.727 | 0.280 | 1503. | 2.4 |
| 119 | 120.1 | 13.075 | 35.458 | 4.64 | 0.09 | 26.733 | 0.283 | 1503. | 2.3 |
| 121 | 122.0 | 13.091 | 35.467 | 4.64 | 0.09 | 26.737 | 0.285 | 1503. | 2.6 |
| 123 | 123.9 | 13.097 | 35.470 | 4.62 | 0.09 | 26.738 | 0.288 | 1503. | 2.8 |
| 125 | 125.9 | 13.098 | 35.472 | 4.60 | 0.09 | 26.740 | 0.291 | 1503. | 3.1 |
| 127 | 128.0 | 13.097 | 35.474 | 4.60 | 0.09 | 26.741 | 0.293 | 1503. | 3.3 |
| 129 | 130.0 | 13.065 | 35.487 | 4.58 | 0.09 | 26.758 | 0.296 | 1503. | 3.6 |
| 131 | 132.0 | 13.042 | 35.494 | 4.59 | 0.09 | 26.768 | 0.299 | 1503. | 3.8 |
| 133 | 134.0 | 13.017 | 35.503 | 4.54 | 0.09 | 26.780 | 0.301 | 1503. | 4.0 |
| 135 | 136.0 | 13.000 | 35.507 | 4.53 | 0.09 | 26.786 | 0.304 | 1503. | 4.2 |
| 137 | 138.0 | 12.945 | 35.508 | 4.52 | 0.09 | 26.798 | 0.306 | 1503. | 4.6 |
| 139 | 140.0 | 12.913 | 35.509 | 4.49 | 0.09 | 26.805 | 0.309 | 1503. | 5.0 |
| 141 | 142.0 | 12.863 | 35.508 | 4.46 | 0.09 | 26.814 | 0.311 | 1503. | 5.3 |
| 143 | 144.0 | 12.646 | 35.489 | 4.47 | 0.09 | 26.844 | 0.314 | 1502. | 5.3 |
| 145 | 146.0 | 12.406 | 35.471 | 4.49 | 0.10 | 26.877 | 0.316 | 1501. | 5.1 |
| 147 | 148.0 | 12.214 | 35.450 | 4.45 | 0.11 | 26.898 | 0.319 | 1501. | 4.9 |
| 149 | 150.0 | 12.157 | 35.442 | 4.41 | 0.11 | 26.903 | 0.321 | 1500. | 4.5 |
| 151 | 152.0 | 12.130 | 35.438 | 4.37 | 0.12 | 26.905 | 0.323 | 1500. | 3.8 |
| 153 | 154.0 | 12.074 | 35.429 | 4.34 | 0.12 | 26.909 | 0.326 | 1500. | 3.1 |
| 155 | 156.0 | 11.981 | 35.420 | 4.33 | 0.12 | 26.920 | 0.328 | 1500. | 3.0 |
| 157 | 158.0 | 11.960 | 35.422 | 4.31 | 0.13 | 26.925 | 0.330 | 1500. | 3.1 |
| 159 | 160.0 | 11.958 | 35.422 | 4.28 | 0.12 | 26.926 | 0.333 | 1500. | 3.2 |
| 161 | 162.0 | 11.928 | 35.422 | 4.27 | 0.12 | 26.932 | 0.335 | 1500. | 3.1 |
| 163 | 164.0 | 11.867 | 35.422 | 4.28 | 0.12 | 26.943 | 0.337 | 1500. | 3.0 |
| 165 | 166.0 | 11.836 | 35.423 | 4.27 | 0.12 | 26.950 | 0.340 | 1500. | 2.9 |
| 167 | 168.0 | 11.818 | 35.423 | 4.26 | 0.12 | 26.953 | 0.342 | 1499. | 2.8 |
| 169 | 170.0 | 11.805 | 35.424 | 4.24 | 0.12 | 26.957 | 0.344 | 1499. | 2.7 |
| 171 | 172.0 | 11.789 | 35.425 | 4.21 | 0.12 | 26.960 | 0.346 | 1499. | 2.8 |
| 173 | 174.0 | 11.768 | 35.425 | 4.21 | 0.12 | 26.964 | 0.349 | 1499. | 3.1 |
| 175 | 176.0 | 11.754 | 35.424 | 4.20 | 0.12 | 26.966 | 0.351 | 1499. | 3.3 |
| 177 | 178.0 | 11.708 | 35.422 | 4.20 | 0.12 | 26.973 | 0.353 | 1499. | 3.4 |
| 179 | 180.1 | 11.589 | 35.417 | 4.20 | 0.11 | 26.992 | 0.355 | 1499. | 3.4 |
| 181 | 182.0 | 11.538 | 35.415 | 4.20 | 0.11 | 27.000 | 0.358 | 1499. | 3.5 |
| 182 | 183.9 | 11.529 | 35.415 | 4.17 | 0.11 | 27.002 | 0.360 | 1499. | 3.6 |
| 184 | 186.0 | 11.513 | 35.418 | 4.15 | 0.11 | 27.007 | 0.362 | 1499. | 3.5 |
| 187 | 188.0 | 11.517 | 35.427 | 4.12 | 0.11 | 27.013 | 0.364 | 1499. | 3.3 |
| 188 | 190.0 | 11.448 | 35.421 | 4.13 | 0.11 | 27.022 | 0.366 | 1499. | 3.3 |
| 190 | 191.9 | 11.335 | 35.411 | 4.14 | 0.11 | 27.035 | 0.368 | 1498. | 3.2 |
| 192 | 194.0 | 11.300 | 35.409 | 4.11 | 0.11 | 27.039 | 0.371 | 1498. | 3.0 |
| 194 | 196.0 | 11.293 | 35.412 | 4.10 | 0.11 | 27.043 | 0.373 | 1498. | 2.7 |
| 196 | 198.0 | 11.261 | 35.408 | 4.09 | 0.10 | 27.046 | 0.375 | 1498. | 2.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 21 | 12 JUL 1982 | 2013 | 40°26.6'N | 67°40.3'W | 255 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYNT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 200.0 | 11.251 | 35.408 | 4.07 | 0.10 | 27.048 | 0.377 | 1498. | 2.0 |
| 200 | 202.0 | 11.192 | 35.398 | 4.07 | 0.11 | 27.051 | 0.379 | 1498. | 1.8 |
| 202 | 204.0 | 11.171 | 35.393 | 4.07 | 0.11 | 27.051 | 0.381 | 1498. | 1.9 |
| 204 | 206.0 | 11.154 | 35.391 | 4.09 | 0.11 | 27.053 | 0.383 | 1498. | 2.0 |
| 206 | 208.0 | 11.145 | 35.392 | 4.09 | 0.11 | 27.055 | 0.385 | 1498. | 2.2 |
| 208 | 210.0 | 11.134 | 35.391 | 4.10 | 0.11 | 27.056 | 0.387 | 1498. | 2.3 |
| 210 | 212.0 | 11.094 | 35.390 | 4.10 | 0.11 | 27.062 | 0.389 | 1498. | 2.5 |
| 212 | 214.0 | 11.097 | 35.398 | 4.10 | 0.11 | 27.069 | 0.391 | 1498. | 2.8 |
| 214 | 216.0 | 11.085 | 35.399 | 4.08 | 0.10 | 27.071 | 0.394 | 1498. | 2.9 |
| 216 | 218.0 | 11.069 | 35.397 | 4.06 | 0.10 | 27.073 | 0.396 | 1498. | 3.1 |
| 218 | 220.0 | 10.969 | 35.387 | 4.07 | 0.10 | 27.083 | 0.398 | 1497. | 3.4 |
| 220 | 222.0 | 10.884 | 35.379 | 4.07 | 0.11 | 27.092 | 0.400 | 1497. | 3.6 |
| 222 | 224.0 | 10.882 | 35.382 | 4.05 | 0.10 | 27.095 | 0.402 | 1497. | 3.7 |
| 224 | 226.0 | 10.733 | 35.357 | 4.08 | 0.11 | 27.103 | 0.404 | 1497. | 3.6 |
| 226 | 228.0 | 10.592 | 35.353 | 4.08 | 0.11 | 27.124 | 0.406 | 1496. | 3.3 |
| 228 | 230.0 | 10.567 | 35.352 | 4.08 | 0.11 | 27.128 | 0.408 | 1496. | 3.1 |
| 230 | 232.0 | 10.558 | 35.350 | 4.10 | 0.11 | 27.128 | 0.410 | 1496. | 2.7 |
| 232 | 234.0 | 10.551 | 35.351 | 4.12 | 0.11 | 27.130 | 0.412 | 1496. | 2.3 |
| 234 | 236.0 | 10.538 | 35.350 | 4.11 | 0.11 | 27.132 | 0.413 | 1496. | 1.7 |
| 236 | 238.0 | 10.517 | 35.349 | 4.10 | 0.11 | 27.135 | 0.415 | 1496. | 1.7 |
| 238 | 240.0 | 10.514 | 35.349 | 4.10 | 0.11 | 27.135 | 0.417 | 1496. | 1.7 |
| 239 | 241.3 | 10.508 | 35.349 | 4.11 | 0.11 | 27.136 | 0.419 | 1496. | 1.7 |
| 240 | 242.0 | 10.494 | 35.348 | 4.11 | 0.11 | 27.138 | 0.419 | 1496. | 1.7 |
| 241 | 243.0 | 10.481 | 35.345 | 4.12 | 0.11 | 27.138 | 0.420 | 1496. | 1.8 |
| 242 | 244.0 | 10.479 | 35.347 | 4.12 | 0.12 | 27.140 | 0.421 | 1496. | 2.1 |
| 243 | 245.0 | 10.462 | 35.343 | 4.11 | 0.11 | 27.140 | 0.422 | 1496. | 2.1 |
| 244 | 246.0 | 10.455 | 35.343 | 4.12 | 0.12 | 27.141 | 0.423 | 1496. | 2.1 |
| 245 | 247.0 | 10.441 | 35.342 | 4.12 | 0.11 | 27.143 | 0.424 | 1496. | 2.1 |
| 246 | 248.0 | 10.416 | 35.341 | 4.13 | 0.11 | 27.147 | 0.425 | 1496. | 2.2 |
| 247 | 249.0 | 10.413 | 35.339 | 4.11 | 0.12 | 27.146 | 0.426 | 1496. | 2.1 |
| 248 | 250.0 | 10.400 | 35.339 | 4.13 | 0.12 | 27.147 | 0.427 | 1496. | 1.9 |
| 249 | 251.0 | 10.388 | 35.338 | 4.13 | 0.12 | 27.149 | 0.428 | 1496. | 1.8 |
| 250 | 252.0 | 10.385 | 35.339 | 4.11 | 0.12 | 27.150 | 0.429 | 1496. | 1.8 |
| 251 | 253.0 | 10.387 | 35.338 | 4.09 | 0.12 | 27.149 | 0.430 | 1496. | 2.2 |
| 252 | 254.0 | 10.387 | 35.339 | 4.10 | 0.12 | 27.150 | 0.431 | 1496. | 2.3 |
| 253 | 255.0 | 10.355 | 35.334 | 4.11 | 0.12 | 27.152 | 0.432 | 1496. | 2.3 |
| 254 | 256.0 | 10.328 | 35.333 | 4.11 | 0.11 | 27.155 | 0.433 | 1496. | 2.3 |
| 255 | 257.0 | 10.283 | 35.328 | 4.11 | 0.11 | 27.159 | 0.434 | 1495. | 2.3 |
| 256 | 257.8 | 10.268 | 35.323 | 4.09 | 0.11 | 27.159 | 0.435 | 1495. | 2.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 22 | 12 JUL 1982 | 2027 | 40°26.6'N | 67°40.1'W | 531 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYNT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 23.686 | 35.150 | 4.87 | 0.19 | 23.849 | 0.000 | 1531. | 8.7 |
| 2 | 2.1 | 23.695 | 35.149 | 4.96 | 0.19 | 23.846 | 0.005 | 1531. | 8.7 |
| 4 | 4.0 | 23.688 | 35.150 | 4.98 | 0.19 | 23.848 | 0.013 | 1531. | 8.7 |
| 6 | 6.1 | 23.673 | 35.144 | 4.96 | 0.19 | 23.848 | 0.021 | 1531. | 8.7 |
| 8 | 7.9 | 23.606 | 35.146 | 5.00 | 0.20 | 23.869 | 0.029 | 1531. | 8.7 |
| 10 | 9.9 | 23.440 | 35.162 | 5.02 | 0.19 | 23.930 | 0.037 | 1531. | 10.2 |
| 12 | 12.0 | 23.186 | 35.267 | 5.06 | 0.20 | 24.084 | 0.045 | 1530. | 11.6 |
| 14 | 14.0 | 23.129 | 35.298 | 5.14 | 0.20 | 24.124 | 0.052 | 1530. | 12.6 |
| 16 | 16.0 | 22.901 | 35.301 | 5.12 | 0.21 | 24.192 | 0.060 | 1530. | 13.3 |
| 18 | 18.0 | 22.221 | 35.304 | 5.15 | 0.23 | 24.388 | 0.067 | 1528. | 13.3 |
| 20 | 20.0 | 21.838 | 35.314 | 5.26 | 0.25 | 24.503 | 0.074 | 1527. | 12.9 |
| 22 | 22.0 | 21.511 | 35.365 | 5.33 | 0.26 | 24.633 | 0.081 | 1526. | 12.7 |
| 24 | 24.1 | 21.343 | 35.470 | 5.33 | 0.26 | 24.759 | 0.088 | 1526. | 12.4 |
| 26 | 26.0 | 21.266 | 35.472 | 5.34 | 0.25 | 24.782 | 0.094 | 1526. | 11.9 |
| 28 | 28.0 | 21.185 | 35.499 | 5.35 | 0.25 | 24.825 | 0.100 | 1526. | 12.0 |
| 30 | 29.9 | 20.989 | 35.557 | 5.37 | 0.25 | 24.922 | 0.106 | 1525. | 12.0 |
| 32 | 32.1 | 20.675 | 35.616 | 5.40 | 0.25 | 25.053 | 0.112 | 1525. | 12.3 |
| 34 | 33.9 | 20.263 | 35.608 | 5.44 | 0.26 | 25.157 | 0.118 | 1523. | 12.5 |
| 36 | 36.0 | 19.776 | 35.621 | 5.50 | 0.28 | 25.296 | 0.123 | 1522. | 12.5 |
| 38 | 37.9 | 19.557 | 35.622 | 5.50 | 0.28 | 25.354 | 0.128 | 1522. | 12.2 |
| 40 | 40.1 | 19.173 | 35.641 | 5.52 | 0.30 | 25.468 | 0.134 | 1521. | 11.7 |
| 42 | 41.9 | 19.020 | 35.623 | 5.47 | 0.31 | 25.494 | 0.139 | 1520. | 11.1 |
| 44 | 44.0 | 18.530 | 35.625 | 5.48 | 0.33 | 25.620 | 0.144 | 1519. | 10.3 |
| 46 | 46.0 | 18.301 | 35.649 | 5.48 | 0.33 | 25.695 | 0.148 | 1518. | 9.9 |
| 48 | 48.0 | 18.124 | 35.651 | 5.46 | 0.32 | 25.741 | 0.153 | 1518. | 9.5 |
| 50 | 50.0 | 17.990 | 35.649 | 5.40 | 0.31 | 25.773 | 0.157 | 1517. | 9.5 |
| 52 | 51.9 | 17.890 | 35.651 | 5.31 | 0.31 | 25.799 | 0.162 | 1517. | 9.3 |
| 54 | 53.9 | 17.633 | 35.658 | 5.24 | 0.30 | 25.867 | 0.166 | 1516. | 9.3 |
| 56 | 56.1 | 17.404 | 35.669 | 5.17 | 0.29 | 25.931 | 0.171 | 1516. | 9.3 |
| 57 | 57.9 | 17.061 | 35.662 | 5.15 | 0.28 | 26.009 | 0.174 | 1515. | 9.0 |
| 60 | 60.1 | 16.679 | 35.651 | 5.16 | 0.26 | 26.092 | 0.175 | 1514. | 8.6 |
| 61 | 61.9 | 16.596 | 35.645 | 5.15 | 0.26 | 26.106 | 0.182 | 1513. | 8.0 |
| 64 | 64.1 | 16.481 | 35.630 | 5.11 | 0.25 | 26.121 | 0.186 | 1513. | 7.6 |
| 65 | 65.9 | 16.382 | 35.609 | 5.06 | 0.24 | 26.129 | 0.190 | 1513. | 7.1 |
| 68 | 68.1 | 16.055 | 35.574 | 5.03 | 0.24 | 26.178 | 0.194 | 1512. | 7.0 |
| 69 | 70.0 | 15.770 | 35.553 | 5.02 | 0.22 | 26.226 | 0.197 | 1511. | 7.4 |
| 71 | 72.0 | 15.558 | 35.537 | 5.01 | 0.21 | 26.262 | 0.201 | 1510. | 7.6 |
| 73 | 74.0 | 15.409 | 35.528 | 4.98 | 0.20 | 26.289 | 0.204 | 1510. | 7.6 |
| 75 | 76.0 | 15.217 | 35.516 | 4.95 | 0.19 | 26.323 | 0.208 | 1509. | 7.7 |
| 77 | 78.0 | 14.912 | 35.496 | 4.93 | 0.18 | 26.375 | 0.211 | 1508. | 7.8 |
| 79 | 80.0 | 14.775 | 35.485 | 4.88 | 0.18 | 26.396 | 0.215 | 1508. | 7.8 |
| 81 | 82.1 | 14.501 | 35.438 | 4.82 | 0.17 | 26.419 | 0.218 | 1507. | 7.9 |
| 83 | 84.0 | 14.017 | 35.415 | 4.84 | 0.16 | 26.505 | 0.221 | 1505. | 8.0 |
| 85 | 86.0 | 13.909 | 35.414 | 4.79 | 0.15 | 26.527 | 0.224 | 1505. | 7.9 |
| 87 | 88.0 | 13.696 | 35.398 | 4.76 | 0.15 | 26.559 | 0.227 | 1504. | 7.6 |
| 89 | 90.0 | 13.582 | 35.420 | 4.72 | 0.14 | 26.600 | 0.230 | 1504. | 7.0 |
| 91 | 92.1 | 13.402 | 35.443 | 4.72 | 0.14 | 26.655 | 0.233 | 1504. | 6.0 |
| 93 | 93.9 | 13.392 | 35.445 | 4.69 | 0.14 | 26.659 | 0.235 | 1504. | 5.4 |
| 95 | 96.1 | 13.378 | 35.447 | 4.67 | 0.14 | 26.663 | 0.239 | 1504. | 4.5 |
| 97 | 97.9 | 13.361 | 35.450 | 4.66 | 0.14 | 26.669 | 0.241 | 1504. | 3.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 22 | 12 JUL 1982 | 2027 | 40°26.6'N | 67°40.1'W | 531 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 13.353 | 35.452 | 4.65 | 0.14 | 26.672 | 0.244 | 1504. | 2.6 |
| 101 | 101.9 | 13.342 | 35.453 | 4.64 | 0.14 | 26.675 | 0.247 | 1504. | 2.6 |
| 103 | 104.0 | 13.326 | 35.455 | 4.62 | 0.14 | 26.679 | 0.250 | 1504. | 2.6 |
| 105 | 105.9 | 13.311 | 35.456 | 4.62 | 0.14 | 26.684 | 0.252 | 1504. | 2.7 |
| 107 | 108.0 | 13.296 | 35.457 | 4.61 | 0.14 | 26.688 | 0.255 | 1503. | 2.8 |
| 109 | 110.0 | 13.276 | 35.458 | 4.61 | 0.14 | 26.692 | 0.258 | 1503. | 2.8 |
| 111 | 112.1 | 13.248 | 35.460 | 4.59 | 0.14 | 26.700 | 0.261 | 1503. | 2.9 |
| 113 | 113.9 | 13.233 | 35.461 | 4.58 | 0.13 | 26.704 | 0.263 | 1503. | 3.5 |
| 115 | 116.0 | 13.211 | 35.463 | 4.55 | 0.14 | 26.710 | 0.266 | 1503. | 4.3 |
| 117 | 118.0 | 13.189 | 35.464 | 4.51 | 0.13 | 26.715 | 0.269 | 1503. | 4.7 |
| 119 | 120.1 | 13.150 | 35.464 | 4.47 | 0.13 | 26.723 | 0.271 | 1503. | 4.9 |
| 121 | 122.0 | 12.994 | 35.473 | 4.46 | 0.13 | 26.761 | 0.274 | 1503. | 4.9 |
| 123 | 124.1 | 12.892 | 35.488 | 4.46 | 0.13 | 26.793 | 0.277 | 1502. | 4.7 |
| 125 | 126.0 | 12.881 | 35.491 | 4.46 | 0.13 | 26.798 | 0.279 | 1502. | 4.3 |
| 127 | 128.0 | 12.874 | 35.494 | 4.45 | 0.13 | 26.802 | 0.282 | 1502. | 3.7 |
| 129 | 129.9 | 12.871 | 35.495 | 4.43 | 0.13 | 26.803 | 0.284 | 1502. | 2.9 |
| 131 | 132.1 | 12.872 | 35.495 | 4.42 | 0.13 | 26.803 | 0.287 | 1503. | 2.5 |
| 133 | 134.0 | 12.860 | 35.493 | 4.41 | 0.13 | 26.804 | 0.289 | 1503. | 2.7 |
| 135 | 136.0 | 12.804 | 35.490 | 4.40 | 0.13 | 26.813 | 0.292 | 1502. | 2.9 |
| 137 | 138.1 | 12.755 | 35.492 | 4.39 | 0.14 | 26.824 | 0.294 | 1502. | 3.2 |
| 139 | 140.0 | 12.742 | 35.491 | 4.37 | 0.14 | 26.826 | 0.297 | 1502. | 3.4 |
| 141 | 142.0 | 12.665 | 35.484 | 4.36 | 0.14 | 26.836 | 0.299 | 1502. | 3.3 |
| 143 | 144.0 | 12.618 | 35.478 | 4.35 | 0.14 | 26.841 | 0.302 | 1502. | 3.2 |
| 145 | 146.0 | 12.551 | 35.475 | 4.35 | 0.14 | 26.852 | 0.304 | 1502. | 3.1 |
| 147 | 148.0 | 12.529 | 35.476 | 4.34 | 0.14 | 26.856 | 0.307 | 1502. | 3.0 |
| 149 | 150.0 | 12.520 | 35.475 | 4.33 | 0.14 | 26.857 | 0.309 | 1502. | 3.0 |
| 151 | 152.0 | 12.477 | 35.472 | 4.32 | 0.14 | 26.864 | 0.312 | 1502. | 3.2 |
| 153 | 154.0 | 12.442 | 35.471 | 4.29 | 0.15 | 26.870 | 0.314 | 1501. | 3.4 |
| 155 | 156.1 | 12.411 | 35.467 | 4.27 | 0.15 | 26.872 | 0.316 | 1501. | 3.6 |
| 157 | 158.0 | 12.300 | 35.455 | 4.26 | 0.15 | 26.885 | 0.319 | 1501. | 3.7 |
| 159 | 160.0 | 12.151 | 35.439 | 4.25 | 0.16 | 26.901 | 0.321 | 1500. | 3.7 |
| 161 | 162.0 | 12.067 | 35.430 | 4.25 | 0.16 | 26.911 | 0.324 | 1500. | 3.6 |
| 163 | 164.0 | 12.041 | 35.428 | 4.22 | 0.16 | 26.915 | 0.326 | 1500. | 3.6 |
| 165 | 166.1 | 12.018 | 35.425 | 4.20 | 0.16 | 26.916 | 0.328 | 1500. | 3.4 |
| 166 | 167.8 | 11.976 | 35.426 | 4.19 | 0.16 | 26.925 | 0.330 | 1500. | 3.1 |
| 169 | 170.0 | 11.957 | 35.432 | 4.17 | 0.16 | 26.933 | 0.333 | 1500. | 3.0 |
| 171 | 172.1 | 11.930 | 35.437 | 4.16 | 0.16 | 26.942 | 0.335 | 1500. | 2.8 |
| 173 | 174.1 | 11.920 | 35.441 | 4.16 | 0.15 | 26.947 | 0.338 | 1500. | 2.6 |
| 174 | 175.9 | 11.920 | 35.441 | 4.15 | 0.15 | 26.947 | 0.340 | 1500. | 2.3 |
| 177 | 178.0 | 11.916 | 35.440 | 4.14 | 0.15 | 26.948 | 0.342 | 1500. | 2.4 |
| 179 | 180.1 | 11.909 | 35.440 | 4.12 | 0.15 | 26.949 | 0.344 | 1500. | 2.4 |
| 180 | 181.9 | 11.899 | 35.440 | 4.10 | 0.15 | 26.951 | 0.346 | 1500. | 2.5 |
| 183 | 184.0 | 11.866 | 35.443 | 4.09 | 0.15 | 26.960 | 0.349 | 1500. | 2.9 |
| 185 | 186.1 | 11.823 | 35.445 | 4.08 | 0.15 | 26.969 | 0.351 | 1500. | 3.2 |
| 186 | 188.0 | 11.810 | 35.443 | 4.07 | 0.15 | 26.971 | 0.353 | 1500. | 3.3 |
| 189 | 190.1 | 11.766 | 35.439 | 4.05 | 0.15 | 26.975 | 0.356 | 1500. | 3.2 |
| 190 | 192.0 | 11.699 | 35.440 | 4.04 | 0.14 | 26.989 | 0.358 | 1499. | 3.1 |
| 192 | 194.0 | 11.668 | 35.440 | 4.04 | 0.14 | 26.995 | 0.360 | 1499. | 3.0 |
| 194 | 196.0 | 11.646 | 35.439 | 4.02 | 0.14 | 26.998 | 0.362 | 1499. | 2.9 |
| 196 | 198.1 | 11.624 | 35.438 | 4.01 | 0.14 | 27.001 | 0.365 | 1499. | 2.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 22 | 12 JUL 1982 | 2027 | 40°26.6'N | 67°40.1'W | 531 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 199.9 | 11.590 | 35.438 | 4.01 | 0.14 | 27.008 | 0.366 | 1499. | 2.4 |
| 200 | 202.0 | 11.571 | 35.437 | 3.99 | 0.14 | 27.011 | 0.369 | 1499. | 2.2 |
| 202 | 204.0 | 11.567 | 35.438 | 3.99 | 0.14 | 27.012 | 0.371 | 1499. | 2.0 |
| 204 | 205.9 | 11.553 | 35.437 | 3.99 | 0.14 | 27.014 | 0.373 | 1499. | 1.8 |
| 206 | 208.0 | 11.543 | 35.437 | 3.99 | 0.14 | 27.016 | 0.375 | 1499. | 1.5 |
| 208 | 210.0 | 11.540 | 35.437 | 3.98 | 0.14 | 27.017 | 0.377 | 1499. | 1.5 |
| 210 | 212.0 | 11.534 | 35.438 | 3.98 | 0.14 | 27.019 | 0.380 | 1499. | 2.4 |
| 212 | 214.0 | 11.534 | 35.438 | 3.96 | 0.14 | 27.019 | 0.382 | 1499. | 2.8 |
| 214 | 215.9 | 11.527 | 35.435 | 3.95 | 0.14 | 27.018 | 0.384 | 1499. | 3.2 |
| 216 | 218.1 | 11.445 | 35.424 | 3.94 | 0.14 | 27.024 | 0.386 | 1499. | 3.6 |
| 218 | 219.9 | 11.280 | 35.423 | 3.96 | 0.14 | 27.055 | 0.388 | 1498. | 3.8 |
| 220 | 222.0 | 11.268 | 35.421 | 3.94 | 0.14 | 27.055 | 0.390 | 1498. | 3.8 |
| 222 | 224.0 | 11.195 | 35.[illegible] | 3.93 | 0.14 | 27.063 | 0.392 | 1498. | 3.6 |
| 224 | 225.9 | 11.123 | 35.410 | 3.94 | 0.14 | 27.073 | 0.394 | 1498. | 3.2 |
| 226 | 228.0 | 11.090 | 35.407 | 3.92 | 0.14 | 27.077 | 0.397 | 1498. | 2.5 |
| 228 | 230.0 | 11.070 | 35.407 | 3.90 | 0.14 | 27.080 | 0.399 | 1498. | 2.5 |
| 230 | 232.0 | 11.065 | 35.407 | 3.89 | 0.14 | 27.081 | 0.401 | 1498. | 2.4 |
| 232 | 234.0 | 11.061 | 35.407 | 3.90 | 0.14 | 27.082 | 0.403 | 1498. | 2.3 |
| 234 | 235.9 | 11.036 | 35.401 | 3.91 | 0.14 | 27.082 | 0.405 | 1498. | 2.5 |
| 236 | 238.1 | 10.972 | 35.396 | 3.91 | 0.14 | 27.090 | 0.407 | 1498. | 3.0 |
| 238 | 240.0 | 10.930 | 35.396 | 3.93 | 0.14 | 27.097 | 0.409 | 1498. | 3.3 |
| 240 | 242.0 | 10.878 | 35.390 | 3.95 | 0.14 | 27.102 | 0.411 | 1497. | 4.0 |
| 242 | 244.0 | 10.798 | 35.380 | 3.96 | 0.14 | 27.109 | 0.413 | 1497. | 4.3 |
| 244 | 246.0 | 10.636 | 35.367 | 3.99 | 0.14 | 27.128 | 0.415 | 1497. | 4.5 |
| 246 | 248.1 | 10.586 | 35.355 | 3.99 | 0.15 | 27.127 | 0.417 | 1496. | 4.6 |
| 248 | 250.0 | 10.291 | 35.341 | 4.04 | 0.15 | 27.168 | 0.419 | 1495. | 4.5 |
| 250 | 252.1 | 10.207 | 35.325 | 4.05 | 0.15 | 27.171 | 0.421 | 1495. | 4.3 |
| 252 | 254.0 | 10.134 | 35.324 | 4.07 | 0.15 | 27.182 | 0.423 | 1495. | 4.0 |
| 254 | 256.0 | 10.105 | 35.322 | 4.07 | 0.16 | 27.186 | 0.424 | 1495. | 3.7 |
| 256 | 258.0 | 10.065 | 35.316 | 4.08 | 0.16 | 27.188 | 0.426 | 1495. | 3.1 |
| 258 | 259.9 | 9.980 | 35.310 | 4.09 | 0.16 | 27.198 | 0.428 | 1494. | 2.9 |
| 260 | 262.0 | 9.919 | 35.306 | 4.10 | 0.16 | 27.205 | 0.430 | 1494. | 2.7 |
| 262 | 264.0 | 9.896 | 35.304 | 4.11 | 0.16 | 27.208 | 0.432 | 1494. | 2.5 |
| 264 | 266.0 | 9.874 | 35.304 | 4.11 | 0.16 | 27.211 | 0.434 | 1494. | 2.4 |
| 266 | 268.0 | 9.865 | 35.303 | 4.12 | 0.16 | 27.212 | 0.435 | 1494. | 2.9 |
| 268 | 269.9 | 9.848 | 35.302 | 4.14 | 0.16 | 27.214 | 0.437 | 1494. | 3.3 |
| 270 | 272.0 | 9.824 | 35.297 | 4.13 | 0.16 | 27.214 | 0.439 | 1494. | 3.6 |
| 272 | 274.1 | 9.696 | 35.281 | 4.14 | 0.17 | 27.224 | 0.441 | 1494. | 3.8 |
| 274 | 276.0 | 9.457 | 35.269 | 4.18 | 0.17 | 27.254 | 0.443 | 1493. | 3.8 |
| 276 | 278.0 | 9.409 | 35.267 | 4.19 | 0.17 | 27.261 | 0.444 | 1493. | 3.8 |
| 278 | 280.0 | 9.383 | 35.2[illegible] | 4.19 | 0.17 | 27.264 | 0.446 | 1493. | 3.9 |
| 280 | 282.0 | 9.349 | 35.261 | 4.18 | 0.17 | 27.266 | 0.448 | 1492. | 3.7 |
| 282 | 284.2 | 9.287 | 35.256 | 4.20 | 0.17 | 27.273 | 0.450 | 1492. | 3.3 |
| 283 | 285.9 | 9.211 | 35.250 | 4.22 | 0.17 | 27.280 | 0.451 | 1492. | 3.3 |
| 286 | 288.0 | 9.058 | 35.240 | 4.23 | 0.17 | 27.297 | 0.453 | 1491. | 3.1 |
| 288 | 290.0 | 9.017 | 35.238 | 4.24 | 0.17 | 27.302 | 0.454 | 1491. | 2.9 |
| 290 | 292.1 | 9.013 | 35.239 | 4.24 | 0.17 | 27.304 | 0.456 | 1491. | 2.7 |
| 291 | 293.9 | 9.012 | 35.237 | 4.26 | 0.17 | 27.302 | 0.458 | 1491. | 2.5 |
| 293 | 295.9 | 9.007 | 35.237 | 4.27 | 0.17 | 27.303 | 0.459 | 1491. | 2.5 |
| 296 | 298.0 | 8.967 | 35.232 | 4.27 | 0.17 | 27.306 | 0.461 | 1491. | 3.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 22 | 12 JUL 1982 | 2027 | 40°26.6'N | 67°40.1'W | 531 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 298 | 300.1 | 8.874 | 35.226 | 4.29 | 0.17 | 27.315 | 0.463 | 1491. | 3.6 |
| 299 | 302.0 | 8.832 | 35.221 | 4.32 | 0.17 | 27.319 | 0.464 | 1491. | 3.9 |
| 301 | 304.0 | 8.687 | 35.211 | 4.34 | 0.17 | 27.334 | 0.466 | 1490. | 3.9 |
| 303 | 306.0 | 8.483 | 35.200 | 4.37 | 0.18 | 27.357 | 0.467 | 1490. | 3.7 |
| 305 | 308.0 | 8.461 | 35.199 | 4.38 | 0.18 | 27.360 | 0.469 | 1490. | 3.5 |
| 307 | 310.0 | 8.425 | 35.197 | 4.38 | 0.18 | 27.364 | 0.470 | 1489. | 3.3 |
| 309 | 312.0 | 8.422 | 35.197 | 4.39 | 0.18 | 27.364 | 0.472 | 1489. | 2.9 |
| 311 | 314.0 | 8.393 | 35.193 | 4.40 | 0.18 | 27.365 | 0.473 | 1489. | 2.6 |
| 313 | 316.0 | 8.302 | 35.186 | 4.41 | 0.18 | 27.374 | 0.475 | 1489. | 2.7 |
| 315 | 318.0 | 8.232 | 35.183 | 4.42 | 0.18 | 27.383 | 0.476 | 1489. | 2.8 |
| 317 | 320.0 | 8.220 | 35.182 | 4.42 | 0.18 | 27.384 | 0.478 | 1489. | 2.8 |
| 319 | 322.0 | 8.190 | 35.179 | 4.43 | 0.18 | 27.386 | 0.479 | 1489. | 2.7 |
| 321 | 324.0 | 8.129 | 35.174 | 4.43 | 0.18 | 27.391 | 0.481 | 1488. | 2.6 |
| 323 | 326.0 | 8.078 | 35.172 | 4.44 | 0.18 | 27.398 | 0.482 | 1488. | 2.5 |
| 325 | 328.0 | 8.050 | 35.169 | 4.45 | 0.18 | 27.400 | 0.484 | 1488. | 2.5 |
| 327 | 330.0 | 8.008 | 35.166 | 4.45 | 0.18 | 27.403 | 0.485 | 1488. | 2.5 |
| 329 | 332.0 | 7.968 | 35.165 | 4.45 | 0.18 | 27.409 | 0.487 | 1488. | 2.7 |
| 331 | 334.0 | 7.964 | 35.163 | 4.45 | 0.18 | 27.408 | 0.488 | 1488. | 3.1 |
| 333 | 336.1 | 7.896 | 35.156 | 4.50 | 0.18 | 27.413 | 0.490 | 1488. | 3.4 |
| 335 | 338.0 | 7.816 | 35.149 | 4.54 | 0.18 | 27.419 | 0.491 | 1488. | 3.7 |
| 337 | 339.9 | 7.659 | 35.136 | 4.56 | 0.18 | 27.432 | 0.492 | 1487. | 3.7 |
| 339 | 342.1 | 7.536 | 35.134 | 4.59 | 0.18 | 27.448 | 0.494 | 1486. | 3.6 |
| 341 | 343.9 | 7.451 | 35.127 | 4.60 | 0.19 | 27.455 | 0.495 | 1486. | 3.4 |
| 343 | 346.0 | 7.406 | 35.130 | 4.63 | 0.19 | 27.464 | 0.497 | 1486. | 3.2 |
| 345 | 347.9 | 7.456 | 35.130 | 4.65 | 0.18 | 27.457 | 0.498 | 1486. | 3.0 |
| 347 | 350.0 | 7.391 | 35.126 | 4.69 | 0.19 | 27.462 | 0.499 | 1486. | 3.2 |
| 349 | 352.0 | 7.357 | 35.120 | 4.71 | 0.19 | 27.463 | 0.501 | 1486. | 3.8 |
| 351 | 354.0 | 7.190 | 35.109 | 4.75 | 0.19 | 27.478 | 0.502 | 1485. | 4.2 |
| 353 | 356.0 | 7.105 | 35.099 | 4.79 | 0.19 | 27.483 | 0.503 | 1485. | 4.5 |
| 355 | 358.0 | 6.810 | 35.081 | 4.84 | 0.19 | 27.509 | 0.504 | 1484. | 4.5 |
| 357 | 360.0 | 6.620 | 35.078 | 4.88 | 0.20 | 27.533 | 0.506 | 1483. | 4.3 |
| 359 | 362.0 | 6.603 | 35.074 | 4.87 | 0.20 | 27.532 | 0.507 | 1483. | 3.9 |
| 361 | 364.1 | 6.520 | 35.070 | 4.91 | 0.20 | 27.540 | 0.508 | 1483. | 3.4 |
| 363 | 365.9 | 6.498 | 35.070 | 4.92 | 0.20 | 27.543 | 0.509 | 1483. | 2.7 |
| 365 | 368.0 | 6.483 | 35.066 | 4.91 | 0.19 | 27.542 | 0.510 | 1483. | 2.1 |
| 367 | 370.0 | 6.437 | 35.065 | 4.91 | 0.19 | 27.547 | 0.512 | 1483. | 1.9 |
| 369 | 372.0 | 6.420 | 35.065 | 4.92 | 0.19 | 27.549 | 0.513 | 1483. | 1.6 |
| 371 | 374.1 | 6.408 | 35.064 | 4.93 | 0.19 | 27.550 | 0.514 | 1483. | 1.4 |
| 373 | 376.0 | 6.397 | 35.063 | 4.93 | 0.19 | 27.551 | 0.515 | 1483. | 1.3 |
| 375 | 378.0 | 6.400 | 35.063 | 4.94 | 0.19 | 27.551 | 0.516 | 1483. | 1.1 |
| 377 | 380.0 | 6.396 | 35.062 | 4.94 | 0.19 | 27.551 | 0.517 | 1483. | 1.1 |
| 379 | 382.0 | 6.383 | 35.062 | 4.94 | 0.19 | 27.552 | 0.519 | 1483. | 1.1 |
| 381 | 384.0 | 6.379 | 35.062 | 4.95 | 0.19 | 27.552 | 0.520 | 1483. | 1.1 |
| 383 | 386.0 | 6.360 | 35.060 | 4.95 | 0.19 | 27.553 | 0.521 | 1483. | 1.3 |
| 385 | 388.1 | 6.347 | 35.060 | 4.96 | 0.19 | 27.555 | 0.522 | 1483. | 1.4 |
| 387 | 390.0 | 6.344 | 35.060 | 4.96 | 0.19 | 27.555 | 0.523 | 1483. | 1.5 |
| 389 | 392.0 | 6.335 | 35.058 | 4.96 | 0.19 | 27.555 | 0.524 | 1483. | 1.5 |
| 391 | 394.0 | 6.306 | 35.057 | 4.98 | 0.19 | 27.558 | 0.526 | 1482. | 1.6 |
| 393 | 396.0 | 6.277 | 35.055 | 4.98 | 0.19 | 27.560 | 0.527 | 1482. | 1.6 |
| 394 | 397.9 | 6.260 | 35.054 | 4.98 | 0.19 | 27.561 | 0.528 | 1482. | 1.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 22 | 12 JUL 1982 | 2027 | 40°26.6'N | 67°40.1'W | 531 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 397 | 400.1 | 6.245 | 35.053 | 4.97 | 0.19 | 27.563 | 0.529 | 1482. | 1.7 |
| 398 | 401.9 | 6.225 | 35.051 | 4.98 | 0.18 | 27.564 | 0.530 | 1482. | 1.6 |
| 401 | 404.1 | 6.205 | 35.050 | 4.99 | 0.19 | 27.566 | 0.531 | 1482. | 1.5 |
| 402 | 405.8 | 6.181 | 35.050 | 5.00 | 0.19 | 27.569 | 0.532 | 1482. | 1.6 |
| 404 | 408.0 | 6.172 | 35.049 | 5.00 | 0.19 | 27.570 | 0.534 | 1482. | 1.7 |
| 407 | 410.1 | 6.176 | 35.050 | 5.02 | 0.19 | 27.569 | 0.535 | 1482. | 1.8 |
| 408 | 411.8 | 6.157 | 35.046 | 5.05 | 0.19 | 27.569 | 0.536 | 1482. | 2.0 |
| 410 | 414.0 | 6.097 | 35.041 | 5.06 | 0.20 | 27.573 | 0.537 | 1482. | 2.2 |
| 412 | 416.1 | 6.058 | 35.041 | 5.08 | 0.19 | 27.578 | 0.538 | 1482. | 2.5 |
| 414 | 418.0 | 6.012 | 35.037 | 5.09 | 0.19 | 27.581 | 0.539 | 1482. | 2.8 |
| 416 | 420.0 | 5.946 | 35.034 | 5.11 | 0.19 | 27.587 | 0.540 | 1481. | 2.9 |
| 418 | 422.0 | 5.900 | 35.029 | 5.12 | 0.19 | 27.589 | 0.541 | 1481. | 2.8 |
| 420 | 424.0 | 5.798 | 35.025 | 5.12 | 0.20 | 27.598 | 0.542 | 1481. | 2.7 |
| 422 | 426.1 | 5.749 | 35.021 | 5.14 | 0.19 | 27.602 | 0.544 | 1481. | 2.5 |
| 424 | 428.0 | 5.709 | 35.020 | 5.16 | 0.19 | 27.605 | 0.545 | 1481. | 2.3 |
| 426 | 429.9 | 5.688 | 35.019 | 5.16 | 0.19 | 27.607 | 0.546 | 1481. | 2.0 |
| 428 | 432.1 | 5.679 | 35.018 | 5.15 | 0.19 | 27.608 | 0.547 | 1481. | 1.6 |
| 430 | 434.0 | 5.670 | 35.017 | 5.15 | 0.19 | 27.608 | 0.548 | 1481. | 1.3 |
| 432 | 436.1 | 5.647 | 35.016 | 5.17 | 0.19 | 27.611 | 0.549 | 1481. | 1.1 |
| 434 | 438.0 | 5.644 | 35.017 | 5.17 | 0.20 | 27.611 | 0.550 | 1481. | 0.9 |
| 436 | 440.0 | 5.651 | 35.017 | 5.17 | 0.20 | 27.610 | 0.551 | 1481. | 0.7 |
| 438 | 442.1 | 5.645 | 35.016 | 5.18 | 0.19 | 27.611 | 0.552 | 1481. | 0.6 |
| 440 | 443.9 | 5.647 | 35.017 | 5.18 | 0.19 | 27.611 | 0.553 | 1481. | 0.5 |
| 442 | 445.9 | 5.652 | 35.016 | 5.19 | 0.20 | 27.610 | 0.554 | 1481. | 0.8 |
| 444 | 448.1 | 5.646 | 35.016 | 5.19 | 0.19 | 27.610 | 0.555 | 1481. | 1.0 |
| 446 | 450.0 | 5.633 | 35.014 | 5.19 | 0.20 | 27.610 | 0.556 | 1481. | 1.1 |
| 448 | 452.0 | 5.607 | 35.013 | 5.20 | 0.20 | 27.613 | 0.557 | 1481. | 1.1 |
| 450 | 453.9 | 5.597 | 35.013 | 5.20 | 0.20 | 27.614 | 0.558 | 1481. | 1.1 |
| 452 | 456.0 | 5.589 | 35.013 | 5.20 | 0.20 | 27.615 | 0.559 | 1481. | 1.1 |
| 454 | 458.0 | 5.591 | 35.013 | 5.20 | 0.19 | 27.615 | 0.560 | 1481. | 1.0 |
| 456 | 460.0 | 5.595 | 35.012 | 5.20 | 0.20 | 27.614 | 0.562 | 1481. | 0.9 |
| 458 | 462.0 | 5.580 | 35.012 | 5.20 | 0.20 | 27.615 | 0.563 | 1481. | 0.8 |
| 460 | 464.0 | 5.571 | 35.012 | 5.20 | 0.20 | 27.616 | 0.564 | 1481. | 0.8 |
| 462 | 466.0 | 5.572 | 35.011 | 5.20 | 0.20 | 27.616 | 0.565 | 1481. | 0.8 |
| 464 | 468.0 | 5.564 | 35.011 | 5.21 | 0.20 | 27.616 | 0.566 | 1481. | 0.9 |
| 466 | 470.0 | 5.557 | 35.011 | 5.21 | 0.20 | 27.617 | 0.567 | 1481. | 1.1 |
| 468 | 472.0 | 5.558 | 35.011 | 5.22 | 0.20 | 27.617 | 0.568 | 1481. | 1.2 |
| 470 | 473.9 | 5.555 | 35.010 | 5.21 | 0.20 | 27.616 | 0.569 | 1481. | 1.4 |
| 472 | 476.1 | 5.518 | 35.005 | 5.22 | 0.20 | 27.618 | 0.570 | 1481. | 1.3 |
| 474 | 478.0 | 5.482 | 35.006 | 5.22 | 0.20 | 27.623 | 0.571 | 1481. | 1.3 |
| 476 | 480.0 | 5.481 | 35.006 | 5.23 | 0.21 | 27.623 | 0.572 | 1481. | 1.2 |
| 478 | 482.0 | 5.486 | 35.007 | 5.22 | 0.20 | 27.623 | 0.573 | 1481. | 1.0 |
| 480 | 484.0 | 5.491 | 35.007 | 5.22 | 0.20 | 27.622 | 0.574 | 1481. | 0.7 |
| 482 | 486.0 | 5.489 | 35.007 | 5.22 | 0.21 | 27.622 | 0.575 | 1481. | -0.4 |
| 484 | 487.9 | 5.489 | 35.007 | 5.21 | 0.20 | 27.623 | 0.576 | 1481. | -0.5 |
| 486 | 490.1 | 5.490 | 35.007 | 5.21 | 0.20 | 27.622 | 0.577 | 1481. | -0.5 |
| 488 | 492.0 | 5.494 | 35.008 | 5.22 | 0.20 | 27.623 | 0.578 | 1481. | -0.3 |
| 490 | 494.0 | 5.498 | 35.007 | 5.21 | 0.21 | 27.622 | 0.579 | 1481. | -0.3 |
| 492 | 496.0 | 5.498 | 35.007 | 5.20 | 0.20 | 27.622 | 0.580 | 1481. | -0.2 |
| 494 | 497.9 | 5.493 | 35.007 | 5.21 | 0.20 | 27.622 | 0.581 | 1481. | 0.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 22 | 12 JUL 1982 | 2027 | 40°26.6'N | 67°40.1'W | 531 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 496 | 500.0 | 5.493 | 35.007 | 5.20 | 0.21 | 27.622 | 0.582 | 1481. | 0.1 |
| 514 | 519.0 | 5.520 | 35.009 | 5.01 | 0.20 | 27.620 | 0.592 | 1481. | -0.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 23 | 12 JUL 1982 | 2121 | 40°26.6'N | 67°39.2'W | 350 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 23.683 | 35.148 | 4.72 | 0.17 | 23.848 | 0.000 | 1531. | 10.0 |
| 2 | 2.0 | 23.698 | 35.148 | 4.75 | 0.17 | 23.844 | 0.005 | 1531. | 10.0 |
| 4 | 4.0 | 23.681 | 35.146 | 4.77 | 0.17 | 23.848 | 0.013 | 1531. | 10.0 |
| 6 | 6.0 | 23.554 | 35.154 | 4.79 | 0.17 | 23.891 | 0.021 | 1531. | 10.0 |
| 8 | 7.9 | 23.430 | 35.166 | 4.81 | 0.17 | 23.936 | 0.029 | 1531. | 10.0 |
| 10 | 10.0 | 23.245 | 35.236 | 4.84 | 0.18 | 24.044 | 0.037 | 1530. | 11.5 |
| 12 | 12.1 | 23.214 | 35.277 | 4.86 | 0.18 | 24.084 | 0.045 | 1530. | 12.7 |
| 14 | 13.9 | 23.050 | 35.292 | 4.89 | 0.18 | 24.142 | 0.052 | 1530. | 13.5 |
| 16 | 16.0 | 22.231 | 35.307 | 5.00 | 0.21 | 24.387 | 0.060 | 1528. | 13.8 |
| 18 | 18.0 | 21.702 | 35.316 | 5.08 | 0.23 | 24.543 | 0.066 | 1527. | 13.6 |
| 20 | 19.9 | 21.533 | 35.[illegible] | 5.10 | 0.24 | 24.648 | 0.073 | 1526. | 13.7 |
| 22 | 22.1 | 21.333 | 35.472 | 5.14 | 0.24 | 24.764 | 0.080 | 1526. | 13.5 |
| 24 | 23.9 | 21.226 | 35.488 | 5.15 | 0.23 | 24.805 | 0.086 | 1526. | 13.3 |
| 26 | 26.1 | 21.061 | 35.540 | 5.15 | 0.23 | 24.890 | 0.092 | 1525. | 13.3 |
| 28 | 27.9 | 20.727 | 35.609 | 5.22 | 0.23 | 25.033 | 0.098 | 1525. | 13.3 |
| 30 | 30.1 | 20.176 | 35.603 | 5.27 | 0.24 | 25.177 | 0.104 | 1523. | 13.1 |
| 32 | 31.9 | 19.511 | 35.604 | 5.39 | 0.26 | 25.352 | 0.109 | 1521. | 12.8 |
| 34 | 34.1 | 19.236 | 35.629 | 5.39 | 0.28 | 25.442 | 0.114 | 1521. | 12.3 |
| 36 | 36.0 | 19.116 | 35.627 | 5.40 | 0.28 | 25.472 | 0.119 | 1520. | 11.4 |
| 38 | 38.0 | 18.929 | 35.630 | 5.41 | 0.29 | 25.522 | 0.124 | 1520. | 10.4 |
| 40 | 40.0 | 18.525 | 35.608 | 5.47 | 0.30 | 25.608 | 0.129 | 1519. | 9.4 |
| 42 | 42.0 | 18.344 | 35.639 | 5.46 | 0.31 | 25.677 | 0.134 | 1518. | 9.0 |
| 44 | 44.0 | 18.101 | 35.638 | 5.43 | 0.30 | 25.737 | 0.138 | 1518. | 8.7 |
| 46 | 46.0 | 18.077 | 35.658 | 5.38 | 0.30 | 25.758 | 0.143 | 1518. | 8.5 |
| 48 | 47.9 | 17.945 | 35.648 | 5.38 | 0.30 | 25.783 | 0.147 | 1517. | 8.4 |
| 50 | 50.1 | 17.754 | 35.645 | 5.36 | 0.29 | 25.828 | 0.152 | 1517. | 8.6 |
| 52 | 52.0 | 17.662 | 35.656 | 5.34 | 0.28 | 25.859 | 0.156 | 1516. | 8.7 |
| 54 | 54.0 | 17.388 | 35.657 | 5.31 | 0.27 | 25.927 | 0.160 | 1516. | 8.7 |
| 55 | 55.9 | 17.060 | 35.658 | 5.29 | 0.26 | 26.006 | 0.164 | 1515. | 8.4 |
| 58 | 58.0 | 16.726 | 35.640 | 5.21 | 0.24 | 26.072 | 0.168 | 1514. | 7.9 |
| 60 | 60.0 | 16.710 | 35.645 | 5.14 | 0.24 | 26.080 | 0.172 | 1514. | 7.7 |
| 62 | 62.0 | 16.646 | 35.636 | 5.10 | 0.24 | 26.087 | 0.176 | 1514. | 7.5 |
| 63 | 63.9 | 16.538 | 35.626 | 5.07 | 0.24 | 26.105 | 0.180 | 1513. | 7.5 |
| 66 | 66.0 | 16.254 | 35.584 | 5.06 | 0.23 | 26.139 | 0.184 | 1512. | 8.0 |
| 67 | 68.0 | 15.834 | 35.545 | 5.09 | 0.21 | 26.206 | 0.188 | 1511. | 8.6 |
| 70 | 70.1 | 15.491 | 35.524 | 5.09 | 0.19 | 26.268 | 0.191 | 1510. | 8.8 |
| 71 | 71.8 | 15.283 | 35.513 | 5.05 | 0.18 | 26.306 | 0.194 | 1509. | 8.6 |
| 73 | 74.0 | 14.770 | 35.476 | 5.06 | 0.16 | 26.390 | 0.198 | 1508. | 8.3 |
| 75 | 76.0 | 14.620 | 35.466 | 4.99 | 0.15 | 26.416 | 0.201 | 1507. | 7.9 |
| 77 | 77.9 | 14.492 | 35.453 | 4.95 | 0.15 | 26.433 | 0.204 | 1507. | 7.6 |
| 79 | 80.1 | 14.394 | 35.437 | 4.91 | 0.15 | 26.442 | 0.208 | 1507. | 7.2 |
| 81 | 82.0 | 14.019 | 35.407 | 4.96 | 0.14 | 26.498 | 0.211 | 1505. | 6.8 |
| 83 | 84.1 | 13.771 | 35.406 | 4.91 | 0.13 | 26.550 | 0.214 | 1505. | 6.9 |
| 85 | 86.0 | 13.711 | 35.413 | 4.89 | 0.13 | 26.568 | 0.217 | 1504. | 6.7 |
| 87 | 88.0 | 13.696 | 35.427 | 4.85 | 0.12 | 26.582 | 0.220 | 1504. | 6.2 |
| 89 | 89.9 | 13.558 | 35.430 | 4.86 | 0.12 | 26.613 | 0.223 | 1504. | 5.4 |
| 91 | 92.0 | 13.476 | 35.440 | 4.81 | 0.11 | 26.637 | 0.226 | 1504. | 4.7 |
| 93 | 94.1 | 13.464 | 35.443 | 4.77 | 0.11 | 26.642 | 0.229 | 1504. | 4.3 |
| 95 | 96.1 | 13.456 | 35.444 | 4.77 | 0.11 | 26.645 | 0.231 | 1504. | 4.0 |
| 97 | 97.9 | 13.440 | 35.447 | 4.77 | 0.11 | 26.650 | 0.234 | 1504. | 3.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 23 | 12 JUL 1982 | 2121 | 40°26.6'N | 67°39.2'W | 350 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 13.419 | 35.450 | 4.71 | 0.11 | 26.657 | 0.237 | 1504. | 3.3 |
| 101 | 102.1 | 13.381 | 35.453 | 4.72 | 0.11 | 26.667 | 0.240 | 1504. | 3.3 |
| 103 | 104.0 | 13.344 | 35.456 | 4.74 | 0.11 | 26.677 | 0.242 | 1504. | 3.3 |
| 105 | 106.0 | 13.326 | 35.458 | 4.71 | 0.11 | 26.682 | 0.245 | 1504. | 3.1 |
| 107 | 108.0 | 13.303 | 35.458 | 4.67 | 0.11 | 26.687 | 0.248 | 1504. | 3.0 |
| 109 | 110.0 | 13.288 | 35.460 | 4.66 | 0.11 | 26.691 | 0.251 | 1503. | 3.0 |
| 111 | 112.0 | 13.271 | 35.460 | 4.66 | 0.11 | 26.695 | 0.254 | 1503. | 3.5 |
| 113 | 114.0 | 13.258 | 35.460 | 4.67 | 0.11 | 26.698 | 0.256 | 1503. | 4.0 |
| 115 | 115.9 | 13.230 | 35.461 | 4.62 | 0.11 | 26.704 | 0.259 | 1503. | 4.4 |
| 117 | 117.9 | 13.153 | 35.465 | 4.60 | 0.11 | 26.723 | 0.262 | 1503. | 4.8 |
| 119 | 120.0 | 13.040 | 35.470 | 4.60 | 0.11 | 26.750 | 0.264 | 1503. | 4.9 |
| 121 | 122.1 | 12.982 | 35.473 | 4.58 | 0.10 | 26.764 | 0.267 | 1503. | 4.9 |
| 123 | 123.9 | 12.919 | 35.476 | 4.57 | 0.10 | 26.779 | 0.269 | 1503. | 4.6 |
| 125 | 126.0 | 12.872 | 35.486 | 4.49 | 0.10 | 26.796 | 0.272 | 1502. | 4.1 |
| 127 | 128.0 | 12.851 | 35.490 | 4.47 | 0.10 | 26.803 | 0.275 | 1502. | 3.6 |
| 129 | 130.1 | 12.837 | 35.491 | 4.46 | 0.10 | 26.807 | 0.277 | 1502. | 3.2 |
| 131 | 132.0 | 12.833 | 35.492 | 4.49 | 0.10 | 26.808 | 0.280 | 1502. | 2.8 |
| 133 | 133.9 | 12.817 | 35.492 | 4.45 | 0.10 | 26.811 | 0.282 | 1502. | 2.6 |
| 135 | 135.9 | 12.793 | 35.494 | 4.42 | 0.10 | 26.818 | 0.285 | 1502. | 3.0 |
| 137 | 138.0 | 12.785 | 35.494 | 4.38 | 0.10 | 26.820 | 0.287 | 1502. | 3.5 |
| 139 | 140.1 | 12.745 | 35.489 | 4.45 | 0.11 | 26.824 | 0.290 | 1502. | 3.7 |
| 141 | 141.9 | 12.663 | 35.484 | 4.43 | 0.11 | 26.836 | 0.292 | 1502. | 3.8 |
| 143 | 144.0 | 12.530 | 35.474 | 4.39 | 0.11 | 26.855 | 0.295 | 1502. | 3.7 |
| 145 | 146.0 | 12.455 | 35.473 | 4.39 | 0.12 | 26.869 | 0.297 | 1501. | 3.5 |
| 147 | 147.9 | 12.452 | 35.476 | 4.38 | 0.12 | 26.872 | 0.299 | 1501. | 3.2 |
| 149 | 150.1 | 12.455 | 35.477 | 4.35 | 0.12 | 26.872 | 0.302 | 1501. | 2.9 |
| 151 | 151.9 | 12.456 | 35.478 | 4.37 | 0.11 | 26.873 | 0.304 | 1501. | 2.8 |
| 153 | 154.0 | 12.449 | 35.480 | 4.33 | 0.11 | 26.876 | 0.307 | 1501. | 3.0 |
| 155 | 156.0 | 12.398 | 35.476 | 4.32 | 0.11 | 26.882 | 0.309 | 1501. | 3.5 |
| 157 | 158.0 | 12.270 | 35.454 | 4.35 | 0.12 | 26.890 | 0.312 | 1501. | 3.8 |
| 159 | 160.0 | 12.133 | 35.442 | 4.34 | 0.13 | 26.907 | 0.314 | 1500. | 3.9 |
| 161 | 162.0 | 12.076 | 35.439 | 4.33 | 0.13 | 26.916 | 0.316 | 1500. | 3.8 |
| 163 | 164.0 | 12.071 | 35.454 | 4.30 | 0.12 | 26.929 | 0.319 | 1500. | 3.5 |
| 165 | 165.9 | 12.039 | 35.453 | 4.30 | 0.12 | 26.934 | 0.321 | 1500. | 3.2 |
| 167 | 168.1 | 12.018 | 35.452 | 4.23 | 0.12 | 26.937 | 0.323 | 1500. | 2.8 |
| 169 | 170.0 | 12.004 | 35.451 | 4.24 | 0.12 | 26.939 | 0.325 | 1500. | 2.5 |
| 171 | 172.1 | 11.954 | 35.441 | 4.25 | 0.12 | 26.941 | 0.328 | 1500. | 2.3 |
| 173 | 173.9 | 11.926 | 35.440 | 4.24 | 0.12 | 26.945 | 0.330 | 1500. | 2.2 |
| 175 | 176.0 | 11.903 | 35.439 | 4.20 | 0.12 | 26.950 | 0.332 | 1500. | 2.2 |
| 177 | 178.0 | 11.891 | 35.439 | 4.20 | 0.12 | 26.952 | 0.335 | 1500. | 2.3 |
| 179 | 180.1 | 11.873 | 35.439 | 4.21 | 0.12 | 26.955 | 0.337 | 1500. | 2.3 |
| 180 | 181.9 | 11.865 | 35.439 | 4.21 | 0.12 | 26.956 | 0.339 | 1500. | 2.4 |
| 182 | 184.0 | 11.844 | 35.437 | 4.18 | 0.12 | 26.959 | 0.341 | 1500. | 2.4 |
| 184 | 186.0 | 11.821 | 35.439 | 4.18 | 0.12 | 26.965 | 0.344 | 1500. | 2.5 |
| 187 | 188.1 | 11.808 | 35.443 | 4.16 | 0.12 | 26.971 | 0.346 | 1500. | 2.6 |
| 188 | 190.0 | 11.809 | 35.446 | 4.16 | 0.11 | 26.973 | 0.348 | 1500. | 2.7 |
| 190 | 192.0 | 11.781 | 35.444 | 4.15 | 0.11 | 26.977 | 0.351 | 1500. | 2.7 |
| 192 | 193.9 | 11.747 | 35.443 | 4.13 | 0.11 | 26.982 | 0.353 | 1500. | 2.7 |
| 194 | 196.0 | 11.710 | 35.442 | 4.09 | 0.11 | 26.988 | 0.355 | 1500. | 2.8 |
| 197 | 198.2 | 11.682 | 35.440 | 4.09 | 0.11 | 26.992 | 0.357 | 1500. | 2.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 23 | 12 JUL 1982 | 2121 | 40°26.6'N | 67°39.2'W | 350 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 199.9 | 11.653 | 35.439 | 4.10 | 0.11 | 26.997 | 0.359 | 1499. | 2.7 |
| 200 | 202.1 | 11.614 | 35.436 | 4.06 | 0.11 | 27.002 | 0.362 | 1499. | 2.5 |
| 202 | 204.0 | 11.584 | 35.435 | 4.07 | 0.11 | 27.006 | 0.364 | 1499. | 2.4 |
| 204 | 206.0 | 11.568 | 35.435 | 4.05 | 0.12 | 27.010 | 0.366 | 1499. | 2.4 |
| 206 | 208.1 | 11.567 | 35.435 | 4.05 | 0.11 | 27.010 | 0.368 | 1499. | 2.4 |
| 208 | 209.9 | 11.544 | 35.434 | 4.06 | 0.11 | 27.013 | 0.370 | 1499. | 2.7 |
| 210 | 212.0 | 11.512 | 35.432 | 4.01 | 0.11 | 27.018 | 0.372 | 1499. | 3.2 |
| 212 | 214.0 | 11.474 | 35.430 | 4.02 | 0.11 | 27.024 | 0.375 | 1499. | 3.6 |
| 214 | 216.1 | 11.434 | 35.427 | 4.01 | 0.11 | 27.029 | 0.377 | 1499. | 3.7 |
| 216 | 217.8 | 11.325 | 35.418 | 4.03 | 0.11 | 27.042 | 0.379 | 1499. | 3.7 |
| 218 | 220.1 | 11.174 | 35.412 | 4.02 | 0.11 | 27.065 | 0.381 | 1498. | 3.5 |
| 220 | 221.9 | 11.158 | 35.411 | 4.02 | 0.11 | 27.067 | 0.383 | 1498. | 3.1 |
| 222 | 224.1 | 11.148 | 35.411 | 3.98 | 0.11 | 27.069 | 0.385 | 1498. | 2.8 |
| 224 | 225.9 | 11.157 | 35.413 | 3.99 | 0.11 | 27.069 | 0.387 | 1498. | 2.4 |
| 226 | 228.1 | 11.150 | 35.412 | 3.96 | 0.11 | 27.069 | 0.389 | 1498. | 2.2 |
| 228 | 230.0 | 11.155 | 35.412 | 3.97 | 0.11 | 27.068 | 0.391 | 1498. | 2.7 |
| 230 | 232.1 | 11.066 | 35.402 | 4.00 | 0.11 | 27.077 | 0.394 | 1498. | 3.1 |
| 232 | 233.8 | 11.023 | 35.400 | 4.00 | 0.11 | 27.083 | 0.395 | 1498. | 3.5 |
| 234 | 236.0 | 10.927 | 35.390 | 3.98 | 0.11 | 27.093 | 0.398 | 1497. | 3.7 |
| 236 | 238.0 | 10.809 | 35.378 | 3.98 | 0.11 | 27.105 | 0.400 | 1497. | 3.8 |
| 238 | 240.0 | 10.715 | 35.370 | 4.01 | 0.11 | 27.116 | 0.402 | 1497. | 3.7 |
| 240 | 242.0 | 10.672 | 35.369 | 4.02 | 0.11 | 27.123 | 0.403 | 1497. | 3.8 |
| 242 | 243.9 | 10.624 | 35.365 | 4.01 | 0.11 | 27.128 | 0.405 | 1497. | 4.1 |
| 244 | 246.1 | 10.581 | 35.362 | 4.00 | 0.11 | 27.134 | 0.408 | 1496. | 4.3 |
| 246 | 248.0 | 10.479 | 35.348 | 4.03 | 0.12 | 27.141 | 0.409 | 1496. | 4.3 |
| 248 | 250.0 | 10.253 | 35.324 | 4.05 | 0.12 | 27.161 | 0.411 | 1495. | 4.4 |
| 250 | 251.9 | 10.097 | 35.318 | 4.07 | 0.12 | 27.184 | 0.413 | 1495. | 4.3 |
| 252 | 254.0 | 10.007 | 35.312 | 4.09 | 0.13 | 27.195 | 0.415 | 1494. | 4.1 |
| 254 | 256.1 | 9.979 | 35.311 | 4.11 | 0.13 | 27.199 | 0.417 | 1494. | 3.6 |
| 256 | 257.9 | 9.906 | 35.301 | 4.14 | 0.13 | 27.204 | 0.419 | 1494. | 2.9 |
| 258 | 260.1 | 9.894 | 35.304 | 4.13 | 0.13 | 27.208 | 0.421 | 1494. | 2.2 |
| 260 | 261.9 | 9.892 | 35.304 | 4.15 | 0.13 | 27.209 | 0.422 | 1494. | 1.8 |
| 262 | 264.0 | 9.881 | 35.303 | 4.12 | 0.13 | 27.209 | 0.424 | 1494. | 1.7 |
| 264 | 266.0 | 9.884 | 35.304 | 4.13 | 0.13 | 27.209 | 0.426 | 1494. | 1.6 |
| 266 | 268.0 | 9.874 | 35.302 | 4.13 | 0.13 | 27.210 | 0.428 | 1494. | 1.5 |
| 268 | 270.0 | 9.849 | 35.299 | 4.12 | 0.13 | 27.212 | 0.430 | 1494. | 1.9 |
| 270 | 271.9 | 9.813 | 35.297 | 4.13 | 0.13 | 27.216 | 0.431 | 1494. | 2.2 |
| 272 | 274.0 | 9.807 | 35.297 | 4.12 | 0.13 | 27.217 | 0.433 | 1494. | 2.4 |
| 274 | 276.0 | 9.772 | 35.289 | 4.13 | 0.13 | 27.217 | 0.435 | 1494. | 2.6 |
| 276 | 278.0 | 9.677 | 35.282 | 4.14 | 0.14 | 27.228 | 0.437 | 1494. | 2.7 |
| 278 | 280.0 | 9.647 | 35.282 | 4.16 | 0.14 | 27.233 | 0.439 | 1494. | 2.8 |
| 279 | 281.2 | 9.640 | 35.282 | 4.18 | 0.14 | 27.234 | 0.440 | 1494. | 2.9 |
| 280 | 282.0 | 9.613 | 35.279 | 4.15 | 0.14 | 27.236 | 0.440 | 1493. | 3.0 |
| 281 | 283.0 | 9.586 | 35.278 | 4.15 | 0.14 | 27.240 | 0.441 | 1493. | 3.0 |
| 282 | 284.0 | 9.569 | 35.276 | 4.15 | 0.14 | 27.241 | 0.442 | 1493. | 3.2 |
| 283 | 285.0 | 9.538 | 35.272 | 4.17 | 0.14 | 27.243 | 0.443 | 1493. | 3.5 |
| 284 | 286.0 | 9.483 | 35.265 | 4.17 | 0.14 | 27.247 | 0.444 | 1493. | 3.8 |
| 285 | 287.0 | 9.450 | 35.267 | 4.19 | 0.14 | 27.254 | 0.445 | 1493. | 4.1 |
| 286 | 288.0 | 9.414 | 35.264 | 4.19 | 0.14 | 27.257 | 0.446 | 1493. | 4.2 |
| 287 | 289.0 | 9.295 | 35.246 | 4.20 | 0.14 | 27.263 | 0.446 | 1492. | 4.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 23 | 12 JUL 1982 | 2121 | 40°26.6'N | 67°39.2'W | 350 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 288 | 290.0 | 9.227 | 35.244 | 4.21 | 0.14 | 27.273 | 0.447 | 1492. | 3.9 |
| 289 | 291.0 | 9.212 | 35.248 | 4.23 | 0.14 | 27.279 | 0.448 | 1492. | 3.6 |
| 290 | 292.0 | 9.202 | 35.248 | 4.21 | 0.14 | 27.280 | 0.449 | 1492. | 3.2 |
| 291 | 293.0 | 9.195 | 35.248 | 4.20 | 0.14 | 27.282 | 0.450 | 1492. | 2.7 |
| 292 | 294.0 | 9.189 | 35.248 | 4.20 | 0.14 | 27.282 | 0.451 | 1492. | 2.7 |
| 293 | 295.0 | 9.182 | 35.247 | 4.23 | 0.14 | 27.283 | 0.452 | 1492. | 2.7 |
| 293 | 296.0 | 9.162 | 35.245 | 4.27 | 0.14 | 27.284 | 0.452 | 1492. | 2.7 |
| 295 | 297.1 | 9.154 | 35.245 | 4.21 | 0.14 | 27.286 | 0.453 | 1492. | 2.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 24 | 12 JUL 1982 | 2155 | 40°26.5'N | 67°38.3'W | 175 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.7 | 23.740 | 35.179 | 4.66 | 0.18 | 23.855 | 0.000 | 1532. | 9.9 |
| 2 | 2.1 | 23.722 | 35.177 | 4.63 | 0.17 | 23.859 | 0.006 | 1531. | 9.9 |
| 4 | 4.0 | 23.702 | 35.173 | 4.68 | 0.16 | 23.862 | 0.013 | 1531. | 9.9 |
| 6 | 6.0 | 23.704 | 35.177 | 4.68 | 0.16 | 23.865 | 0.022 | 1532. | 9.9 |
| 8 | 7.9 | 23.699 | 35.179 | 4.72 | 0.16 | 23.868 | 0.029 | 1532. | 9.9 |
| 10 | 10.0 | 23.524 | 35.222 | 4.79 | 0.17 | 23.951 | 0.037 | 1531. | 11.4 |
| 12 | 12.1 | 23.257 | 35.332 | 4.86 | 0.18 | 24.112 | 0.045 | 1531. | 12.9 |
| 14 | 13.9 | 23.192 | 35.353 | 4.87 | 0.18 | 24.147 | 0.052 | 1531. | 14.0 |
| 16 | 16.2 | 22.240 | 35.313 | 5.07 | 0.19 | 24.389 | 0.061 | 1528. | 14.6 |
| 18 | 17.9 | 21.964 | 35.342 | 5.07 | 0.21 | 24.489 | 0.067 | 1527. | 15.2 |
| 20 | 20.1 | 21.528 | 35.418 | 5.14 | 0.22 | 24.669 | 0.074 | 1526. | 15.5 |
| 22 | 21.9 | 21.269 | 35.463 | 5.20 | 0.22 | 24.774 | 0.080 | 1526. | 15.9 |
| 24 | 24.0 | 20.994 | 35.563 | 5.22 | 0.22 | 24.926 | 0.086 | 1525. | 15.4 |
| 26 | 26.0 | 20.386 | 35.616 | 5.32 | 0.23 | 25.130 | 0.092 | 1524. | 14.9 |
| 28 | 28.0 | 19.788 | 35.657 | 5.39 | 0.24 | 25.320 | 0.098 | 1522. | 14.2 |
| 30 | 29.9 | 19.288 | 35.657 | 5.43 | 0.27 | 25.450 | 0.103 | 1521. | 13.5 |
| 32 | 32.0 | 19.070 | 35.648 | 5.41 | 0.28 | 25.500 | 0.108 | 1520. | 12.3 |
| 34 | 34.1 | 18.813 | 35.630 | 5.44 | 0.28 | 25.552 | 0.113 | 1519. | 10.8 |
| 36 | 36.0 | 18.502 | 35.622 | 5.49 | 0.28 | 25.624 | 0.118 | 1519. | 9.6 |
| 38 | 38.0 | 18.106 | 35.616 | 5.49 | 0.28 | 25.719 | 0.122 | 1517. | 8.6 |
| 40 | 40.0 | 18.046 | 35.617 | 5.44 | 0.28 | 25.735 | 0.127 | 1517. | 8.0 |
| 42 | 41.9 | 17.879 | 35.602 | 5.43 | 0.28 | 25.764 | 0.131 | 1517. | 7.2 |
| 44 | 43.9 | 17.769 | 35.595 | 5.38 | 0.28 | 25.786 | 0.136 | 1517. | 7.1 |
| 46 | 46.1 | 17.748 | 35.614 | 5.33 | 0.28 | 25.806 | 0.140 | 1517. | 7.4 |
| 47 | 47.8 | 17.757 | 35.628 | 5.33 | 0.28 | 25.815 | 0.144 | 1517. | 8.0 |
| 50 | 50.1 | 17.717 | 35.647 | 5.25 | 0.28 | 25.838 | 0.149 | 1517. | 8.5 |
| 52 | 52.0 | 17.211 | 35.642 | 5.32 | 0.27 | 25.957 | 0.153 | 1515. | 9.3 |
| 54 | 54.1 | 16.950 | 35.657 | 5.26 | 0.25 | 26.031 | 0.157 | 1514. | 10.0 |
| 56 | 56.0 | 16.843 | 35.651 | 5.15 | 0.24 | 26.052 | 0.161 | 1514. | 10.2 |
| 58 | 58.0 | 16.518 | 35.612 | 5.10 | 0.23 | 26.099 | 0.165 | 1513. | 10.1 |
| 60 | 60.0 | 15.732 | 35.538 | 5.13 | 0.20 | 26.223 | 0.169 | 1511. | 9.6 |
| 61 | 61.9 | 15.387 | 35.522 | 5.05 | 0.17 | 26.290 | 0.172 | 1510. | 9.4 |
| 64 | 64.0 | 15.264 | 35.523 | 4.96 | 0.17 | 26.317 | 0.176 | 1509. | 9.3 |
| 66 | 66.1 | 15.015 | 35.496 | 4.95 | 0.15 | 26.352 | 0.179 | 1508. | 8.7 |
| 67 | 67.9 | 14.695 | 35.477 | 4.94 | 0.15 | 26.407 | 0.182 | 1507. | 8.1 |
| 69 | 70.0 | 14.444 | 35.464 | 4.84 | 0.14 | 26.452 | 0.186 | 1507. | 7.8 |
| 71 | 72.0 | 14.210 | 35.448 | 4.85 | 0.13 | 26.490 | 0.189 | 1506. | 7.6 |
| 73 | 74.0 | 14.035 | 35.437 | 4.85 | 0.12 | 26.518 | 0.192 | 1505. | 7.1 |
| 75 | 76.0 | 13.817 | 35.424 | 4.85 | 0.12 | 26.554 | 0.195 | 1505. | 6.4 |
| 77 | 78.0 | 13.697 | 35.434 | 4.80 | 0.11 | 26.587 | 0.198 | 1504. | 5.7 |
| 79 | 80.0 | 13.656 | 35.436 | 4.77 | 0.11 | 26.597 | 0.201 | 1504. | 4.9 |
| 81 | 82.0 | 13.617 | 35.437 | 4.76 | 0.11 | 26.606 | 0.204 | 1504. | 4.2 |
| 83 | 84.0 | 13.604 | 35.437 | 4.74 | 0.11 | 26.608 | 0.207 | 1504. | 3.5 |
| 85 | 85.9 | 13.593 | 35.436 | 4.77 | 0.11 | 26.611 | 0.209 | 1504. | 3.3 |
| 87 | 88.1 | 13.566 | 35.439 | 4.70 | 0.11 | 26.618 | 0.212 | 1504. | 3.6 |
| 89 | 90.0 | 13.543 | 35.439 | 4.72 | 0.11 | 26.623 | 0.215 | 1504. | 3.9 |
| 91 | 92.0 | 13.521 | 35.439 | 4.70 | 0.11 | 26.627 | 0.218 | 1504. | 4.3 |
| 93 | 94.1 | 13.421 | 35.447 | 4.70 | 0.11 | 26.654 | 0.221 | 1504. | 4.4 |
| 95 | 95.9 | 13.369 | 35.453 | 4.71 | 0.10 | 26.669 | 0.224 | 1504. | 4.4 |
| 97 | 98.0 | 13.328 | 35.458 | 4.65 | 0.10 | 26.681 | 0.226 | 1503. | 4.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 24 | 12 JUL 1982 | 2155 | 40°26.5'N | 67°38.3'W | 175 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.1 | 13.282 | 35.462 | 4.63 | 0.10 | 26.694 | 0.229 | 1503. | 4.1 |
| 101 | 101.9 | 13.274 | 35.463 | 4.65 | 0.10 | 26.697 | 0.232 | 1503. | 3.8 |
| 103 | 104.0 | 13.253 | 35.464 | 4.60 | 0.10 | 26.702 | 0.235 | 1503. | 3.6 |
| 105 | 105.9 | 13.230 | 35.466 | 4.61 | 0.10 | 26.708 | 0.237 | 1503. | 3.5 |
| 107 | 108.0 | 13.166 | 35.471 | 4.58 | 0.10 | 26.725 | 0.240 | 1503. | 3.4 |
| 109 | 110.0 | 13.140 | 35.475 | 4.57 | 0.10 | 26.733 | 0.243 | 1503. | 3.4 |
| 111 | 112.0 | 13.125 | 35.475 | 4.55 | 0.10 | 26.737 | 0.245 | 1503. | 3.8 |
| 113 | 113.9 | 13.112 | 35.478 | 4.54 | 0.10 | 26.741 | 0.248 | 1503. | 4.0 |
| 115 | 116.1 | 13.100 | 35.480 | 4.51 | 0.10 | 26.745 | 0.251 | 1503. | 4.1 |
| 117 | 117.9 | 13.049 | 35.481 | 4.53 | 0.10 | 26.756 | 0.253 | 1503. | 4.2 |
| 119 | 120.0 | 12.963 | 35.498 | 4.51 | 0.10 | 26.787 | 0.256 | 1503. | 4.1 |
| 121 | 122.0 | 12.895 | 35.496 | 4.48 | 0.10 | 26.799 | 0.258 | 1502. | 3.9 |
| 123 | 123.9 | 12.891 | 35.502 | 4.46 | 0.10 | 26.804 | 0.261 | 1502. | 3.5 |
| 125 | 126.0 | 12.889 | 35.503 | 4.43 | 0.10 | 26.806 | 0.263 | 1502. | 2.9 |
| 127 | 128.1 | 12.882 | 35.504 | 4.42 | 0.10 | 26.808 | 0.266 | 1503. | 2.2 |
| 129 | 130.0 | 12.883 | 35.505 | 4.42 | 0.10 | 26.808 | 0.268 | 1503. | 2.0 |
| 131 | 132.0 | 12.881 | 35.505 | 4.41 | 0.10 | 26.809 | 0.271 | 1503. | 2.0 |
| 133 | 134.0 | 12.864 | 35.504 | 4.42 | 0.10 | 26.811 | 0.274 | 1503. | 2.1 |
| 135 | 136.1 | 12.817 | 35.500 | 4.42 | 0.10 | 26.818 | 0.276 | 1502. | 2.1 |
| 137 | 137.9 | 12.799 | 35.500 | 4.41 | 0.10 | 26.822 | 0.279 | 1502. | 2.1 |
| 139 | 140.1 | 12.794 | 35.501 | 4.38 | 0.10 | 26.823 | 0.281 | 1502. | 2.1 |
| 140 | 141.3 | 12.793 | 35.501 | 4.39 | 0.10 | 26.823 | 0.283 | 1502. | 1.8 |
| 141 | 142.0 | 12.790 | 35.500 | 4.41 | 0.10 | 26.823 | 0.284 | 1502. | 1.3 |
| 142 | 143.0 | 12.788 | 35.500 | 4.42 | 0.10 | 26.824 | 0.285 | 1502. | 1.7 |
| 143 | 144.0 | 12.787 | 35.500 | 4.38 | 0.10 | 26.824 | 0.286 | 1502. | 2.2 |
| 144 | 145.0 | 12.788 | 35.499 | 4.34 | 0.10 | 26.823 | 0.287 | 1502. | 2.6 |
| 145 | 146.0 | 12.781 | 35.500 | 4.34 | 0.10 | 26.825 | 0.289 | 1502. | 2.7 |
| 146 | 147.1 | 12.737 | 35.501 | 4.37 | 0.10 | 26.835 | 0.290 | 1502. | 2.8 |
| 147 | 147.9 | 12.733 | 35.502 | 4.40 | 0.10 | 26.836 | 0.291 | 1502. | 3.0 |
| 148 | 148.9 | 12.718 | 35.502 | 4.39 | 0.10 | 26.839 | 0.292 | 1502. | 3.1 |
| 149 | 150.0 | 12.725 | 35.500 | 4.35 | 0.10 | 26.836 | 0.294 | 1502. | 3.0 |
| 150 | 151.0 | 12.718 | 35.502 | 4.35 | 0.10 | 26.839 | 0.295 | 1502. | 2.7 |
| 151 | 152.0 | 12.693 | 35.504 | 4.37 | 0.10 | 26.846 | 0.296 | 1502. | 2.6 |
| 152 | 153.0 | 12.679 | 35.506 | 4.37 | 0.10 | 26.850 | 0.297 | 1502. | 2.4 |
| 153 | 154.0 | 12.677 | 35.506 | 4.34 | 0.10 | 26.850 | 0.299 | 1502. | 2.2 |
| 154 | 155.0 | 12.680 | 35.506 | 4.34 | 0.10 | 26.850 | 0.300 | 1502. | 1.7 |
| 155 | 156.0 | 12.684 | 35.506 | 4.35 | 0.10 | 26.849 | 0.301 | 1502. | 1.7 |
| 156 | 157.1 | 12.683 | 35.506 | 4.35 | 0.10 | 26.849 | 0.302 | 1502. | 1.7 |
| 157 | 158.0 | 12.685 | 35.506 | 4.38 | 0.10 | 26.849 | 0.303 | 1502. | 1.7 |
| 157 | 158.7 | 12.685 | 35.507 | 4.37 | 0.10 | 26.849 | 0.304 | 1502. | 1.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 25 | 12 JUL 1982 | 2216 | 40°26.5'N | 67°36.9'W | 149 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 23.731 | 35.176 | 4.68 | 0.17 | 23.855 | 0.000 | 1531. | 10.8 |
| 2 | 2.0 | 23.733 | 35.174 | 4.67 | 0.16 | 23.854 | 0.005 | 1532. | 10.8 |
| 4 | 4.0 | 23.736 | 35.175 | 4.75 | 0.16 | 23.854 | 0.013 | 1532. | 10.8 |
| 6 | 6.0 | 23.737 | 35.180 | 4.75 | 0.16 | 23.857 | 0.021 | 1532. | 10.8 |
| 8 | 8.0 | 23.723 | 35.185 | 4.81 | 0.16 | 23.865 | 0.029 | 1532. | 10.8 |
| 10 | 10.0 | 73.647 | 35.193 | 4.78 | 0.16 | 23.893 | 0.037 | 1531. | 12.5 |
| 12 | 11.9 | 23.206 | 35.213 | 4.80 | 0.18 | 24.037 | 0.045 | 1530. | 13.8 |
| 14 | 14.1 | 22.359 | 35.273 | 4.90 | 0.19 | 24.326 | 0.053 | 1528. | 14.5 |
| 16 | 16.0 | 21.981 | 35.309 | 4.98 | 0.21 | 24.460 | 0.060 | 1527. | 14.8 |
| 18 | 18.0 | 21.574 | 35.339 | 5.04 | 0.23 | 24.596 | 0.067 | 1526. | 14.8 |
| 20 | 20.0 | 21.460 | 35.452 | 5.05 | 0.22 | 24.713 | 0.073 | 1526. | 14.6 |
| 22 | 22.0 | 21.327 | 35.453 | 5.10 | 0.22 | 24.751 | 0.079 | 1526. | 14.2 |
| 24 | 24.0 | 21.017 | 35.521 | 5.16 | 0.22 | 24.887 | 0.086 | 1525. | 14.0 |
| 26 | 26.0 | 20.658 | 35.613 | 5.19 | 0.22 | 25.055 | 0.092 | 1524. | 13.6 |
| 28 | 28.0 | 19.883 | 35.614 | 5.29 | 0.23 | 25.262 | 0.097 | 1522. | 13.3 |
| 30 | 30.0 | 19.610 | 35.649 | 5.29 | 0.25 | 25.361 | 0.103 | 1522. | 12.8 |
| 32 | 32.0 | 19.530 | 35.664 | 5.30 | 0.26 | 25.393 | 0.108 | 1521. | 12.0 |
| 34 | 34.1 | 19.250 | 35.646 | 5.32 | 0.27 | 25.452 | 0.113 | 1521. | 11.4 |
| 36 | 35.9 | 18.922 | 35.625 | 5.33 | 0.27 | 25.520 | 0.118 | 1520. | 11.3 |
| 38 | 38.0 | 18.626 | 35.635 | 5.32 | 0.29 | 25.603 | 0.123 | 1519. | 11.6 |
| 40 | 40.0 | 18.195 | 35.610 | 5.38 | 0.29 | 25.692 | 0.128 | 1518. | 11.7 |
| 42 | 41.9 | 17.480 | 35.538 | 5.45 | 0.27 | 25.812 | 0.132 | 1516. | 11.2 |
| 44 | 44.1 | 16.769 | 35.503 | 5.38 | 0.23 | 25.956 | 0.137 | 1513. | 10.3 |
| 46 | 45.9 | 16.643 | 35.511 | 5.25 | 0.22 | 25.992 | 0.140 | 1513. | 9.1 |
| 48 | 48.1 | 16.564 | 35.506 | 5.15 | 0.22 | 26.007 | 0.144 | 1513. | 7.7 |
| 50 | 50.1 | 16.582 | 35.518 | 5.14 | 0.22 | 26.012 | 0.149 | 1513. | 6.6 |
| 52 | 52.0 | 16.616 | 35.541 | 5.08 | 0.22 | 26.022 | 0.152 | 1513. | 6.8 |
| 54 | 54.0 | 16.654 | 35.566 | 5.04 | 0.22 | 26.032 | 0.156 | 1513. | 7.7 |
| 56 | 56.0 | 16.662 | 35.592 | 5.06 | 0.22 | 26.050 | 0.160 | 1513. | 8.4 |
| 57 | 57.9 | 16.248 | 35.568 | 5.12 | 0.21 | 26.128 | 0.164 | 1512. | 9.0 |
| 60 | 60.0 | 15.490 | 35.510 | 5.15 | 0.18 | 26.257 | 0.168 | 1510. | 9.2 |
| 61 | 62.0 | 15.360 | 35.523 | 5.02 | 0.16 | 26.296 | 0.171 | 1509. | 9.4 |
| 64 | 64.0 | 15.234 | 35.515 | 4.95 | 0.15 | 26.318 | 0.175 | 1509. | 9.2 |
| 66 | 66.1 | 14.958 | 35.496 | 4.93 | 0.14 | 26.365 | 0.178 | 1508. | 8.5 |
| 67 | 67.9 | 14.655 | 35.458 | 4.90 | 0.14 | 26.402 | 0.181 | 1507. | 7.9 |
| 69 | 70.0 | 14.273 | 35.438 | 4.88 | 0.13 | 26.469 | 0.185 | 1506. | 7.6 |
| 71 | 72.0 | 14.085 | 35.429 | 4.95 | 0.12 | 26.502 | 0.188 | 1505. | 7.2 |
| 73 | 74.0 | 13.942 | 35.420 | 4.87 | 0.12 | 26.525 | 0.191 | 1505. | 6.4 |
| 75 | 75.9 | 13.812 | 35.418 | 4.86 | 0.11 | 26.551 | 0.194 | 1505. | 5.7 |
| 77 | 78.0 | 13.755 | 35.417 | 4.82 | 0.11 | 26.562 | 0.197 | 1504. | 4.9 |
| 79 | 80.0 | 13.742 | 35.417 | 4.82 | 0.11 | 26.565 | 0.200 | 1504. | 4.4 |
| 81 | 82.1 | 13.691 | 35.413 | 4.79 | 0.11 | 26.572 | 0.203 | 1504. | 4.0 |
| 83 | 84.0 | 13.601 | 35.410 | 4.81 | 0.11 | 26.588 | 0.206 | 1504. | 3.7 |
| 85 | 86.0 | 13.559 | 35.413 | 4.78 | 0.11 | 26.600 | 0.209 | 1504. | 3.5 |
| 87 | 88.0 | 13.522 | 35.410 | 4.77 | 0.11 | 26.605 | 0.212 | 1504. | 3.3 |
| 89 | 90.0 | 13.490 | 35.411 | 4.78 | 0.11 | 26.612 | 0.214 | 1504. | 3.0 |
| 91 | 92.0 | 13.487 | 35.412 | 4.75 | 0.11 | 76.613 | 0.217 | 1504. | 2.5 |
| 93 | 94.0 | 13.472 | 35.411 | 4.74 | 0.11 | 26.615 | 0.220 | 1504. | 2.7 |
| 95 | 95.9 | 13.449 | 35.411 | 4.75 | 0.11 | 26.621 | 0.223 | 1504. | 3.1 |
| 97 | 98.1 | 13.438 | 35.410 | 4.69 | 0.11 | 26.622 | 0.226 | 1504. | 3.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 25 | 12 JUL 1982 | 2216 | 40°26.5'N | 67°36.9'W | 149 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 99.9 | 13.432 | 35.408 | 4.71 | 0.11 | 26.622 | 0.229 | 1504. | 4.0 |
| 101 | 102.0 | 13.567 | 35.481 | 4.68 | 0.11 | 26.650 | 0.232 | 1504. | 4.4 |
| 103 | 104.0 | 13.669 | 35.525 | 4.66 | 0.10 | 26.663 | 0.234 | 1505. | 4.5 |
| 105 | 106.1 | 13.625 | 35.527 | 4.62 | 0.09 | 26.674 | 0.237 | 1505. | 4.4 |
| 107 | 107.9 | 13.569 | 35.538 | 4.63 | 0.09 | 26.694 | 0.240 | 1504. | 4.0 |
| 109 | 110.0 | 13.518 | 35.537 | 4.60 | 0.09 | 26.704 | 0.243 | 1504. | 3.5 |
| 111 | 112.0 | 13.465 | 35.525 | 4.60 | 0.09 | 26.705 | 0.245 | 1504. | 3.3 |
| 113 | 114.0 | 13.439 | 35.517 | 4.58 | 0.09 | 26.705 | 0.248 | 1504. | 3.3 |
| 115 | 116.0 | 13.289 | 35.475 | 4.61 | 0.09 | 26.703 | 0.251 | 1504. | 3.2 |
| 117 | 117.9 | 13.240 | 35.478 | 4.59 | 0.10 | 26.716 | 0.253 | 1503. | 3.5 |
| 119 | 120.1 | 13.262 | 35.502 | 4.56 | 0.09 | 26.730 | 0.256 | 1504. | 3.8 |
| 120 | 121.2 | 13.292 | 35.523 | 4.56 | 0.09 | 26.740 | 0.258 | 1504. | 4.1 |
| 121 | 122.0 | 13.304 | 35.532 | 4.54 | 0.09 | 26.744 | 0.259 | 1504. | 4.3 |
| 122 | 123.0 | 13.303 | 35.536 | 4.54 | 0.09 | 26.748 | 0.260 | 1504. | 4.1 |
| 123 | 124.0 | 13.284 | 35.535 | 4.53 | 0.09 | 26.751 | 0.262 | 1504. | 3.8 |
| 124 | 125.1 | 13.244 | 35.533 | 4.53 | 0.09 | 26.757 | 0.263 | 1504. | 3.8 |
| 125 | 126.0 | 13.223 | 35.534 | 4.55 | 0.09 | 26.762 | 0.264 | 1504. | 4.0 |
| 126 | 127.0 | 13.210 | 35.534 | 4.55 | 0.09 | 26.765 | 0.265 | 1504. | 4.3 |
| 127 | 128.0 | 13.192 | 35.533 | 4.49 | 0.09 | 26.768 | 0.267 | 1504. | 4.7 |
| 128 | 129.0 | 13.131 | 35.528 | 4.49 | 0.09 | 26.776 | 0.268 | 1503. | 5.0 |
| 129 | 130.0 | 13.065 | 35.526 | 4.49 | 0.09 | 26.788 | 0.269 | 1503. | 5.3 |
| 130 | 131.0 | 13.013 | 35.521 | 4.48 | 0.09 | 26.795 | 0.271 | 1503. | 5.4 |
| 131 | 132.0 | 12.931 | 35.517 | 4.47 | 0.09 | 26.808 | 0.272 | 1503. | 5.5 |
| 132 | 133.0 | 12.873 | 35.518 | 4.44 | 0.09 | 26.821 | 0.273 | 1503. | 5.3 |
| 133 | 134.0 | 12.838 | 35.517 | 4.42 | 0.09 | 26.827 | 0.274 | 1502. | 5.0 |
| 134 | 134.9 | 12.782 | 35.510 | 4.45 | 0.09 | 26.833 | 0.276 | 1502. | 4.7 |
| 135 | 136.0 | 12.757 | 35.515 | 4.42 | 0.09 | 26.842 | 0.277 | 1502. | 4.2 |
| 136 | 137.0 | 12.742 | 35.515 | 4.38 | 0.10 | 26.845 | 0.278 | 1502. | 4.2 |
| 137 | 138.0 | 12.727 | 35.515 | 4.38 | 0.10 | 26.847 | 0.279 | 1502. | 4.2 |
| 138 | 139.0 | 12.695 | 35.512 | 4.35 | 0.10 | 26.852 | 0.281 | 1502. | 4.2 |
| 139 | 139.9 | 12.672 | 35.510 | 4.34 | 0.10 | 26.855 | 0.282 | 1502. | 4.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 26 | 12 JUL 1982 | 2306 | 40°29.0'N | 67°42.1'W | 395 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.0 | 21.918 | 35.379 | 4.93 | 0.23 | 24.530 | 0.000 | 1527. | 8.7 |
| 4 | 4.0 | 21.963 | 35.375 | 4.94 | 0.22 | 24.515 | 0.007 | 1527. | 8.7 |
| 6 | 6.0 | 22.021 | 35.370 | 4.90 | 0.22 | 24.495 | 0.013 | 1527. | 8.7 |
| 8 | 8.1 | 21.757 | 35.394 | 4.97 | 0.22 | 24.587 | 0.021 | 1527. | 8.7 |
| 10 | 10.0 | 21.620 | 35.416 | 4.98 | 0.23 | 24.642 | 0.027 | 1526. | 8.7 |
| 12 | 12.1 | 21.447 | 35.440 | 5.01 | 0.23 | 24.707 | 0.034 | 1526. | 9.0 |
| 14 | 13.9 | 21.303 | 35.459 | 5.07 | 0.23 | 24.762 | 0.039 | 1526. | 8.9 |
| 16 | 16.1 | 21.169 | 35.490 | 5.08 | 0.24 | 24.822 | 0.046 | 1525. | 8.3 |
| 18 | 18.0 | 21.102 | 35.497 | 5.10 | 0.24 | 24.846 | 0.052 | 1525. | 7.8 |
| 20 | 19.9 | 21.045 | 35.503 | 5.11 | 0.24 | 24.866 | 0.058 | 1525. | 7.2 |
| 22 | 22.1 | 20.906 | 35.513 | 5.14 | 0.24 | 24.912 | 0.065 | 1525. | 6.5 |
| 24 | 23.8 | 20.817 | 35.516 | 5.16 | 0.24 | 24.938 | 0.070 | 1525. | 5.9 |
| 26 | 26.0 | 20.737 | 35.518 | 5.13 | 0.24 | 24.961 | 0.077 | 1524. | 6.0 |
| 28 | 28.1 | 20.716 | 35.520 | 5.17 | 0.24 | 24.969 | 0.083 | 1524. | 6.5 |
| 30 | 30.0 | 20.712 | 35.522 | 5.18 | 0.24 | 24.971 | 0.089 | 1524. | 7.4 |
| 32 | 32.1 | 20.601 | 35.518 | 5.21 | 0.24 | 24.998 | 0.095 | 1524. | 8.3 |
| 34 | 33.9 | 20.407 | 35.519 | 5.21 | 0.24 | 25.051 | 0.100 | 1524. | 8.9 |
| 36 | 36.0 | 20.051 | 35.499 | 5.27 | 0.25 | 25.130 | 0.106 | 1523. | 9.1 |
| 38 | 38.0 | 19.625 | 35.489 | 5.32 | 0.25 | 25.235 | 0.112 | 1522. | 9.2 |
| 40 | 40.1 | 19.489 | 35.514 | 5.34 | 0.25 | 25.289 | 0.118 | 1521. | 9.4 |
| 42 | 41.9 | 19.453 | 35.520 | 5.31 | 0.25 | 25.303 | 0.122 | 1521. | 10.1 |
| 44 | 44.0 | 19.430 | 35.530 | 5.27 | 0.25 | 25.317 | 0.128 | 1521. | 10.5 |
| 46 | 46.0 | 19.312 | 35.563 | 5.29 | 0.25 | 25.357 | 0.133 | 1521. | 10.6 |
| 48 | 48.0 | 18.852 | 35.562 | 5.36 | 0.26 | 25.490 | 0.138 | 1520. | 10.7 |
| 50 | 50.0 | 18.106 | 35.560 | 5.43 | 0.27 | 25.676 | 0.143 | 1518. | 10.6 |
| 52 | 51.9 | 17.955 | 35.579 | 5.34 | 0.28 | 25.728 | 0.148 | 1517. | 10.3 |
| 54 | 54.0 | 17.907 | 35.584 | 5.26 | 0.27 | 25.744 | 0.152 | 1517. | 9.4 |
| 56 | 56.0 | 17.903 | 35.592 | 5.26 | 0.28 | 25.751 | 0.157 | 1517. | 8.1 |
| 58 | 58.0 | 17.759 | 35.607 | 5.25 | 0.28 | 25.798 | 0.161 | 1517. | 7.9 |
| 59 | 59.9 | 17.552 | 35.602 | 5.24 | 0.27 | 25.845 | 0.165 | 1516. | 8.7 |
| 62 | 62.0 | 17.476 | 35.604 | 5.19 | 0.27 | 25.864 | 0.170 | 1516. | 9.4 |
| 63 | 64.0 | 17.394 | 35.614 | 5.20 | 0.27 | 25.892 | 0.174 | 1516. | 9.6 |
| 66 | 66.1 | 16.532 | 35.571 | 5.29 | 0.23 | 26.065 | 0.178 | 1513. | 9.6 |
| 67 | 67.9 | 16.205 | 35.549 | 5.21 | 0.21 | 26.124 | 0.182 | 1512. | 9.5 |
| 69 | 70.0 | 16.055 | 35.540 | 5.07 | 0.20 | 26.152 | 0.186 | 1512. | 9.2 |
| 71 | 72.0 | 15.935 | 35.526 | 5.06 | 0.20 | 26.168 | 0.190 | 1511. | 8.4 |
| 73 | 74.0 | 15.578 | 35.498 | 5.06 | 0.19 | 26.228 | 0.193 | 1510. | 7.3 |
| 75 | 76.0 | 15.312 | 35.474 | 5.02 | 0.18 | 26.269 | 0.197 | 1509. | 7.5 |
| 77 | 78.0 | 15.188 | 35.457 | 4.98 | 0.18 | 26.284 | 0.200 | 1509. | 7.9 |
| 79 | 80.0 | 15.116 | 35.452 | 4.95 | 0.17 | 26.296 | 0.204 | 1509. | 8.2 |
| 81 | 82.0 | 14.931 | 35.458 | 4.94 | 0.16 | 26.341 | 0.207 | 1508. | 8.1 |
| 83 | 84.0 | 14.546 | 35.469 | 4.95 | 0.15 | 26.434 | 0.211 | 1507. | 8.2 |
| 85 | 86.0 | 14.337 | 35.460 | 4.93 | 0.14 | 26.472 | 0.214 | 1507. | 8.2 |
| 87 | 88.0 | 14.023 | 35.436 | 4.90 | 0.13 | 26.520 | 0.217 | 1506. | 8.1 |
| 89 | 90.1 | 13.952 | 35.439 | 4.80 | 0.13 | 26.538 | 0.220 | 1505. | 7.5 |
| 91 | 91.9 | 13.843 | 35.441 | 4.80 | 0.12 | 26.562 | 0.223 | 1505. | 6.7 |
| 93 | 94.1 | 13.573 | 35.424 | 4.77 | 0.12 | 26.605 | 0.226 | 1504. | 6.2 |
| 95 | 96.0 | 13.455 | 35.425 | 4.77 | 0.11 | 26.630 | 0.229 | 1504. | 5.6 |
| 97 | 98.1 | 13.385 | 35.428 | 4.73 | 0.11 | 26.647 | 0.232 | 1504. | 5.1 |
| 99 | 99.9 | 13.354 | 35.430 | 4.66 | 0.11 | 26.655 | 0.234 | 1504. | 4.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 26 | 12 JUL 1982 | 2306 | 40°29.0'N | 67°42.1'W | 395 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.1 | 13.312 | 35.430 | 4.66 | 0.11 | 26.663 | 0.237 | 1503. | 3.5 |
| 103 | 104.0 | 13.300 | 35.430 | 4.70 | 0.11 | 26.666 | 0.240 | 1503. | 3.4 |
| 105 | 106.0 | 13.292 | 35.430 | 4.64 | 0.11 | 26.668 | 0.243 | 1503. | 3.9 |
| 107 | 108.0 | 13.257 | 35.426 | 4.63 | 0.11 | 26.671 | 0.246 | 1503. | 4.4 |
| 109 | 110.0 | 13.186 | 35.417 | 4.60 | 0.11 | 26.679 | 0.248 | 1503. | 4.8 |
| 111 | 112.0 | 13.062 | 35.423 | 4.60 | 0.11 | 26.708 | 0.251 | 1503. | 5.3 |
| 113 | 114.1 | 13.081 | 35.468 | 4.58 | 0.10 | 26.740 | 0.254 | 1503. | 5.6 |
| 115 | 115.9 | 13.091 | 35.487 | 4.51 | 0.10 | 26.753 | 0.256 | 1503. | 5.7 |
| 117 | 118.1 | 13.044 | 35.500 | 4.53 | 0.10 | 26.772 | 0.259 | 1503. | 5.5 |
| 119 | 120.0 | 12.946 | 35.503 | 4.52 | 0.10 | 26.794 | 0.262 | 1503. | 5.0 |
| 121 | 121.9 | 12.836 | 35.498 | 4.44 | 0.11 | 26.813 | 0.264 | 1502. | 4.6 |
| 123 | 124.0 | 12.757 | 35.496 | 4.42 | 0.11 | 26.827 | 0.267 | 1502. | 4.2 |
| 125 | 126.0 | 12.742 | 35.495 | 4.41 | 0.11 | 26.829 | 0.269 | 1502. | 3.7 |
| 127 | 128.0 | 12.735 | 35.494 | 4.39 | 0.11 | 26.830 | 0.272 | 1502. | 3.3 |
| 129 | 130.1 | 12.682 | 35.494 | 4.38 | 0.11 | 26.840 | 0.274 | 1502. | 2.9 |
| 131 | 132.0 | 12.643 | 35.491 | 4.42 | 0.11 | 26.845 | 0.277 | 1502. | 2.7 |
| 133 | 133.9 | 12.628 | 35.490 | 4.35 | 0.11 | 26.848 | 0.279 | 1502. | 2.6 |
| 135 | 136.1 | 12.591 | 35.489 | 4.36 | 0.11 | 26.855 | 0.282 | 1502. | 2.4 |
| 137 | 137.9 | 12.578 | 35.489 | 4.38 | 0.11 | 26.857 | 0.284 | 1502. | 2.1 |
| 139 | 140.1 | 12.569 | 35.489 | 4.34 | 0.11 | 26.859 | 0.286 | 1502. | 1.8 |
| 141 | 142.0 | 12.569 | 35.489 | 4.36 | 0.11 | 26.859 | 0.289 | 1502. | 1.8 |
| 143 | 144.1 | 12.562 | 35.489 | 4.30 | 0.11 | 26.860 | 0.291 | 1502. | 1.7 |
| 145 | 145.9 | 12.557 | 35.490 | 4.30 | 0.11 | 26.861 | 0.293 | 1502. | 1.7 |
| 147 | 148.0 | 12.548 | 35.489 | 4.32 | 0.11 | 26.863 | 0.296 | 1502. | 1.9 |
| 149 | 149.9 | 12.524 | 35.489 | 4.31 | 0.11 | 26.868 | 0.298 | 1502. | 2.4 |
| 151 | 152.0 | 12.513 | 35.489 | 4.30 | 0.11 | 26.870 | 0.301 | 1502. | 3.0 |
| 153 | 154.1 | 12.508 | 35.489 | 4.31 | 0.11 | 26.871 | 0.303 | 1502. | 3.4 |
| 155 | 155.9 | 12.466 | 35.486 | 4.29 | 0.11 | 26.877 | 0.306 | 1502. | 3.8 |
| 157 | 158.0 | 12.368 | 35.483 | 4.30 | 0.11 | 26.893 | 0.308 | 1501. | 3.9 |
| 159 | 160.0 | 12.247 | 35.475 | 4.29 | 0.11 | 26.911 | 0.311 | 1501. | 3.9 |
| 161 | 161.9 | 12.192 | 35.472 | 4.27 | 0.11 | 26.919 | 0.313 | 1501. | 3.8 |
| 163 | 164.0 | 12.146 | 35.473 | 4.23 | 0.12 | 26.929 | 0.315 | 1501. | 3.4 |
| 165 | 166.1 | 12.118 | 35.471 | 4.20 | 0.12 | 26.933 | 0.318 | 1501. | 2.9 |
| 167 | 167.9 | 12.116 | 35.470 | 4.18 | 0.12 | 26.933 | 0.320 | 1501. | 2.7 |
| 169 | 170.0 | 12.065 | 35.464 | 4.17 | 0.12 | 26.938 | 0.322 | 1500. | 2.7 |
| 171 | 172.1 | 12.067 | 35.465 | 4.18 | 0.12 | 26.938 | 0.324 | 1500. | 2.9 |
| 172 | 173.9 | 12.025 | 35.460 | 4.17 | 0.12 | 26.942 | 0.327 | 1500. | 3.1 |
| 175 | 176.0 | 11.960 | 35.457 | 4.19 | 0.12 | 26.953 | 0.329 | 1500. | 3.3 |
| 177 | 178.0 | 11.891 | 35.454 | 4.20 | 0.12 | 26.963 | 0.331 | 1500. | 3.4 |
| 179 | 180.0 | 11.829 | 35.449 | 4.18 | 0.12 | 26.971 | 0.333 | 1500. | 3.4 |
| 181 | 182.0 | 11.789 | 35.448 | 4.13 | 0.12 | 26.978 | 0.336 | 1500. | 3.3 |
| 182 | 183.9 | 11.762 | 35.447 | 4.12 | 0.12 | 26.982 | 0.338 | 1500. | 3.1 |
| 184 | 186.0 | 11.712 | 35.442 | 4.08 | 0.12 | 26.988 | 0.340 | 1499. | 3.1 |
| 187 | 188.1 | 11.680 | 35.438 | 4.09 | 0.12 | 26.991 | 0.342 | 1499. | 3.1 |
| 188 | 189.9 | 11.630 | 35.432 | 4.11 | 0.12 | 26.996 | 0.344 | 1499. | 3.1 |
| 190 | 192.1 | 11.540 | 35.424 | 4.06 | 0.12 | 27.007 | 0.347 | 1499. | 3.1 |
| 192 | 194.0 | 11.458 | 35.413 | 4.07 | 0.13 | 27.013 | 0.349 | 1499. | 2.9 |
| 194 | 195.9 | 11.412 | 35.410 | 4.08 | 0.13 | 27.020 | 0.351 | 1499. | 2.7 |
| 197 | 198.2 | 11.391 | 35.408 | 4.05 | 0.13 | 27.022 | 0.353 | 1498. | 2.4 |
| 198 | 199.8 | 11.384 | 35.407 | 4.13 | 0.13 | 27.023 | 0.355 | 1498. | 2.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 26 | 12 JUL 1982 | 2306 | 40°29.0'N | 67°42.1'W | 395 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 202.0 | 11.368 | 35.406 | 4.06 | 0.13 | 27.024 | 0.357 | 1498. | 1.9 |
| 202 | 204.0 | 11.351 | 35.404 | 4.06 | 0.13 | 27.026 | 0.360 | 1498. | 2.1 |
| 204 | 206.0 | 11.347 | 35.404 | 4.10 | 0.13 | 27.027 | 0.362 | 1498. | 2.3 |
| 206 | 208.0 | 11.329 | 35.402 | 4.11 | 0.13 | 27.029 | 0.364 | 1498. | 2.4 |
| 208 | 210.0 | 11.260 | 35.395 | 4.11 | 0.14 | 27.036 | 0.366 | 1498. | 2.7 |
| 210 | 211.9 | 11.200 | 35.390 | 4.11 | 0.14 | 27.044 | 0.368 | 1498. | 3.0 |
| 212 | 214.0 | 11.181 | 35.390 | 4.09 | 0.14 | 27.047 | 0.370 | 1498. | 3.4 |
| 214 | 216.1 | 11.143 | 35.384 | 4.10 | 0.14 | 27.049 | 0.373 | 1498. | 3.8 |
| 216 | 217.9 | 11.069 | 35.380 | 4.15 | 0.14 | 27.060 | 0.374 | 1498. | 4.0 |
| 218 | 220.1 | 10.995 | 35.374 | 4.05 | 0.14 | 27.068 | 0.377 | 1497. | 4.1 |
| 220 | 222.0 | 10.806 | 35.356 | 4.12 | 0.14 | 27.088 | 0.379 | 1497. | 4.0 |
| 222 | 224.0 | 10.651 | 35.346 | 4.14 | 0.14 | 27.109 | 0.381 | 1496. | 3.8 |
| 224 | 226.1 | 10.640 | 35.348 | 4.13 | 0.14 | 27.112 | 0.383 | 1496. | 3.3 |
| 226 | 228.0 | 10.647 | 35.349 | 4.13 | 0.14 | 27.112 | 0.385 | 1496. | 2.9 |
| 228 | 230.0 | 10.643 | 35.348 | 4.13 | 0.15 | 27.112 | 0.387 | 1496. | 2.5 |
| 230 | 232.1 | 10.632 | 35.346 | 4.13 | 0.15 | 27.112 | 0.389 | 1496. | 2.6 |
| 232 | 233.9 | 10.595 | 35.343 | 4.14 | 0.15 | 27.116 | 0.391 | 1496. | 3.1 |
| 234 | 236.0 | 10.558 | 35.340 | 4.13 | 0.15 | 27.120 | 0.393 | 1496. | 3.3 |
| 236 | 238.0 | 10.427 | 35.328 | 4.16 | 0.15 | 27.134 | 0.395 | 1496. | 3.4 |
| 238 | 240.0 | 10.312 | 35.322 | 4.16 | 0.16 | 27.150 | 0.396 | 1495. | 3.4 |
| 240 | 242.0 | 10.278 | 35.323 | 4.17 | 0.15 | 27.157 | 0.398 | 1495. | 3.3 |
| 242 | 243.9 | 10.284 | 35.324 | 4.15 | 0.15 | 27.156 | 0.400 | 1495. | 3.1 |
| 244 | 246.0 | 10.298 | 35.326 | 4.11 | 0.15 | 27.156 | 0.402 | 1495. | 2.8 |
| 246 | 248.0 | 10.223 | 35.321 | 4.13 | 0.15 | 27.164 | 0.404 | 1495. | 2.6 |
| 248 | 250.0 | 10.181 | 35.319 | 4.15 | 0.15 | 27.170 | 0.406 | 1495. | 2.8 |
| 250 | 251.9 | 10.147 | 35.317 | 4.15 | 0.14 | 27.174 | 0.408 | 1495. | 3.2 |
| 252 | 254.0 | 10.109 | 35.314 | 4.13 | 0.15 | 27.179 | 0.410 | 1495. | 3.6 |
| 254 | 256.0 | 10.059 | 35.309 | 4.12 | 0.15 | 27.184 | 0.412 | 1495. | 3.8 |
| 256 | 258.0 | 9.967 | 35.301 | 4.16 | 0.15 | 27.193 | 0.414 | 1494. | 3.9 |
| 258 | 260.0 | 9.824 | 35.291 | 4.18 | 0.15 | 27.210 | 0.415 | 1494. | 3.9 |
| 260 | 262.0 | 9.686 | 35.281 | 4.19 | 0.15 | 27.225 | 0.417 | 1493. | 3.9 |
| 262 | 264.1 | 9.616 | 35.276 | 4.19 | 0.16 | 27.233 | 0.419 | 1493. | 3.9 |
| 264 | 265.8 | 9.583 | 35.273 | 4.23 | 0.16 | 27.236 | 0.420 | 1493. | 3.7 |
| 266 | 268.1 | 9.566 | 35.272 | 4.20 | 0.17 | 27.239 | 0.422 | 1493. | 3.5 |
| 268 | 269.9 | 9.467 | 35.260 | 4.25 | 0.16 | 27.246 | 0.424 | 1493. | 3.4 |
| 270 | 272.0 | 9.337 | 35.255 | 4.25 | 0.18 | 27.263 | 0.426 | 1492. | 3.7 |
| 272 | 274.1 | 9.291 | 35.252 | 4.27 | 0.18 | 27.269 | 0.428 | 1492. | 4.2 |
| 274 | 276.0 | 9.256 | 35.251 | 4.29 | 0.18 | 27.273 | 0.429 | 1492. | 4.5 |
| 276 | 278.0 | 9.206 | 35.246 | 4.31 | 0.18 | 27.278 | 0.431 | 1492. | 4.5 |
| 278 | 280.0 | 8.928 | 35.222 | 4.36 | 0.18 | 27.304 | 0.433 | 1491. | 4.4 |
| 280 | 281.9 | 8.735 | 35.210 | 4.38 | 0.19 | 27.326 | 0.434 | 1490. | 4.4 |
| 282 | 284.0 | 8.671 | 35.208 | 4.41 | 0.20 | 27.334 | 0.436 | 1490. | 4.2 |
| 284 | 285.9 | 8.647 | 35.207 | 4.46 | 0.20 | 27.337 | 0.437 | 1490. | 3.8 |
| 286 | 288.0 | 8.553 | 35.199 | 4.47 | 0.21 | 27.346 | 0.439 | 1490. | 3.0 |
| 287 | 289.9 | 8.514 | 35.197 | 4.47 | 0.21 | 27.350 | 0.440 | 1489. | 2.5 |
| 290 | 292.1 | 8.498 | 35.197 | 4.47 | 0.21 | 27.352 | 0.442 | 1489. | 2.3 |
| 291 | 293.9 | 8.493 | 35.197 | 4.51 | 0.21 | 27.353 | 0.443 | 1489. | 2.3 |
| 293 | 296.0 | 8.482 | 35.196 | 4.48 | 0.21 | 27.354 | 0.445 | 1489. | 2.3 |
| 296 | 298.0 | 8.446 | 35.194 | 4.48 | 0.21 | 27.358 | 0.447 | 1489. | 2.3 |
| 297 | 299.9 | 8.399 | 35.189 | 4.50 | 0.21 | 27.362 | 0.448 | 1489. | 2.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 26 | 12 JUL 1982 | 2306 | 40°29.0'N | 67°42.1'W | 395 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 300 | 302.1 | 8.345 | 35.188 | 4.50 | 0.21 | 27.369 | 0.450 | 1489. | 2.8 |
| 302 | 304.1 | 8.308 | 35.185 | 4.47 | 0.20 | 27.373 | 0.451 | 1489. | 3.1 |
| 303 | 306.0 | 8.290 | 35.184 | 4.51 | 0.20 | 27.374 | 0.453 | 1489. | 3.9 |
| 305 | 307.9 | 8.193 | 35.176 | 4.50 | 0.20 | 27.383 | 0.454 | 1488. | 4.6 |
| 307 | 310.0 | 8.128 | 35.173 | 4.51 | 0.20 | 27.390 | 0.456 | 1488. | 5.1 |
| 310 | 312.2 | 7.884 | 35.144 | 4.57 | 0.21 | 27.405 | 0.457 | 1487. | 5.3 |
| 311 | 313.9 | 7.456 | 35.118 | 4.64 | 0.22 | 27.448 | 0.458 | 1486. | 5.3 |
| 313 | 316.0 | 7.283 | 35.114 | 4.73 | 0.23 | 27.469 | 0.460 | 1485. | 5.0 |
| 315 | 318.0 | 7.159 | 35.107 | 4.76 | 0.23 | 27.481 | 0.461 | 1485. | 4.6 |
| 317 | 320.1 | 7.119 | 35.106 | 4.83 | 0.22 | 27.486 | 0.462 | 1485. | 3.8 |
| 319 | 322.0 | 7.118 | 35.107 | 4.86 | 0.22 | 27.487 | 0.464 | 1485. | 2.7 |
| 321 | 324.0 | 7.112 | 35.107 | 4.81 | 0.23 | 27.488 | 0.465 | 1485. | 1.9 |
| 323 | 326.0 | 7.093 | 35.105 | 4.81 | 0.23 | 27.489 | 0.466 | 1484. | 1.3 |
| 325 | 328.0 | 7.085 | 35.105 | 4.84 | 0.22 | 27.490 | 0.468 | 1485. | 1.1 |
| 327 | 330.0 | 7.089 | 35.106 | 4.85 | 0.22 | 27.490 | 0.469 | 1485. | 1.0 |
| 329 | 332.1 | 7.089 | 35.106 | 4.84 | 0.22 | 27.490 | 0.470 | 1485. | 1.2 |
| 331 | 333.9 | 7.078 | 35.105 | 4.85 | 0.23 | 27.491 | 0.471 | 1485. | 1.4 |
| 333 | 336.0 | 7.072 | 35.105 | 4.80 | 0.23 | 27.492 | 0.473 | 1485. | 1.5 |
| 335 | 338.0 | 7.064 | 35.104 | 4.84 | 0.23 | 27.492 | 0.474 | 1485. | 1.7 |
| 337 | 340.0 | 7.017 | 35.101 | 4.85 | 0.23 | 27.496 | 0.475 | 1484. | 1.8 |
| 339 | 342.0 | 6.984 | 35.099 | 4.84 | 0.23 | 27.499 | 0.476 | 1484. | 1.9 |
| 341 | 344.0 | 6.979 | 35.099 | 4.84 | 0.24 | 27.500 | 0.478 | 1484. | 2.0 |
| 343 | 346.0 | 6.964 | 35.098 | 4.86 | 0.24 | 27.501 | 0.479 | 1484. | 2.0 |
| 345 | 348.0 | 6.923 | 35.094 | 4.87 | 0.24 | 27.504 | 0.480 | 1484. | 2.0 |
| 347 | 350.1 | 6.868 | 35.090 | 4.85 | 0.24 | 27.508 | 0.482 | 1484. | 2.1 |
| 349 | 351.9 | 6.859 | 35.091 | 4.83 | 0.24 | 27.510 | 0.483 | 1484. | 2.1 |
| 351 | 354.1 | 6.846 | 35.090 | 4.86 | 0.25 | 27.511 | 0.484 | 1484. | 2.1 |
| 353 | 355.9 | 6.800 | 35.086 | 4.94 | 0.25 | 27.515 | 0.485 | 1484. | 2.0 |
| 355 | 358.1 | 6.761 | 35.084 | 4.90 | 0.25 | 27.518 | 0.486 | 1484. | 1.9 |
| 357 | 359.9 | 6.745 | 35.083 | 4.90 | 0.25 | 27.520 | 0.488 | 1484. | 1.9 |
| 359 | 362.0 | 6.734 | 35.083 | 4.90 | 0.25 | 27.521 | 0.489 | 1484. | 2.1 |
| 361 | 364.0 | 6.717 | 35.081 | 4.94 | 0.25 | 27.522 | 0.490 | 1484. | 2.2 |
| 363 | 366.0 | 6.698 | 35.081 | 4.92 | 0.26 | 27.524 | 0.491 | 1484. | 2.3 |
| 365 | 368.0 | 6.642 | 35.075 | 4.98 | 0.26 | 27.528 | 0.492 | 1483. | 2.4 |
| 367 | 370.1 | 6.560 | 35.070 | 4.96 | 0.26 | 27.535 | 0.494 | 1483. | 2.4 |
| 369 | 372.0 | 6.522 | 35.069 | 4.98 | 0.26 | 27.539 | 0.495 | 1483. | 2.3 |
| 371 | 373.9 | 6.505 | 35.068 | 4.96 | 0.26 | 27.541 | 0.496 | 1483. | 2.3 |
| 373 | 376.1 | 6.479 | 35.066 | 5.00 | 0.26 | 27.542 | 0.497 | 1483. | 2.2 |
| 375 | 378.1 | 6.472 | 35.067 | 4.96 | 0.26 | 27.544 | 0.498 | 1483. | 2.0 |
| 377 | 380.1 | 6.431 | 35.062 | 5.01 | 0.26 | 27.546 | 0.500 | 1483. | 2.0 |
| 378 | 381.3 | 6.410 | 35.063 | 5.03 | 0.26 | 27.549 | 0.500 | 1483. | 2.0 |
| 379 | 382.0 | 6.387 | 35.062 | 5.02 | 0.26 | 27.551 | 0.501 | 1483. | 2.0 |
| 380 | 383.0 | 6.378 | 35.060 | 5.04 | 0.26 | 27.551 | 0.501 | 1483. | 1.8 |
| 381 | 384.1 | 6.367 | 35.059 | 5.08 | 0.26 | 27.552 | 0.502 | 1483. | 1.6 |
| 382 | 385.0 | 6.376 | 35.061 | 5.06 | 0.26 | 27.552 | 0.503 | 1483. | 1.5 |
| 383 | 386.0 | 6.378 | 35.061 | 5.03 | 0.27 | 27.552 | 0.503 | 1483. | 1.7 |
| 384 | 387.0 | 6.364 | 35.059 | 5.01 | 0.27 | 27.552 | 0.504 | 1483. | 2.0 |
| 385 | 388.0 | 6.348 | 35.058 | 5.03 | 0.27 | 27.553 | 0.504 | 1483. | 2.2 |
| 386 | 389.0 | 6.318 | 35.056 | 5.06 | 0.27 | 27.556 | 0.505 | 1482. | 2.5 |
| 387 | 389.9 | 6.287 | 35.055 | 5.07 | 0.28 | 27.559 | 0.505 | 1482. | 2.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 26 | 12 JUL 1982 | 2306 | 40°29.0'N | 67°42.1'W | 395 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 388 | 391.0 | 6.273 | 35.054 | 5.03 | 0.28 | 27.560 | 0.506 | 1482. | 3.2 |
| 389 | 392.1 | 6.218 | 35.048 | 5.09 | 0.28 | 27.562 | 0.507 | 1482. | 3.3 |
| 390 | 392.9 | 6.159 | 35.042 | 5.07 | 0.28 | 27.565 | 0.507 | 1482. | 3.3 |
| 391 | 394.0 | 6.117 | 35.043 | 5.05 | 0.28 | 27.572 | 0.508 | 1482. | 3.3 |
| 392 | 395.1 | 6.080 | 35.043 | 5.11 | 0.28 | 27.577 | 0.508 | 1482. | 3.3 |
| 392 | 395.7 | 6.059 | 35.041 | 5.11 | 0.28 | 27.577 | 0.509 | 1482. | 3.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 27 | 12 JUL 1982 | 2353 | 40°30.4'N | 67°44.9'W | 127 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.7 | 23.332 | 35.277 | 4.73 | 0.19 | 24.049 | 0.000 | 1531. | 12.9 |
| 2 | 1.9 | 23.152 | 35.270 | 4.76 | 0.18 | 24.096 | 0.005 | 1530. | 12.9 |
| 4 | 4.0 | 22.841 | 35.290 | 4.78 | 0.19 | 24.201 | 0.012 | 1529. | 12.9 |
| 6 | 6.0 | 22.330 | 35.249 | 4.87 | 0.21 | 24.316 | 0.020 | 1528. | 12.9 |
| 8 | 8.1 | 21.652 | 35.378 | 4.91 | 0.23 | 24.604 | 0.027 | 1526. | 12.9 |
| 10 | 10.0 | 21.545 | 35.370 | 5.08 | 0.24 | 24.627 | 0.033 | 1526. | 12.0 |
| 12 | 11.9 | 21.302 | 35.364 | 5.18 | 0.24 | 24.690 | 0.040 | 1526. | 10.6 |
| 14 | 14.0 | 21.300 | 35.459 | 5.21 | 0.24 | 24.762 | 0.046 | 1526. | 8.7 |
| 16 | 16.1 | 21.314 | 35.482 | 5.22 | 0.24 | 24.776 | 0.053 | 1526. | 6.3 |
| 18 | 17.9 | 21.311 | 35.485 | 5.20 | 0.24 | 24.779 | 0.058 | 1526. | 5.5 |
| 20 | 20.1 | 21.286 | 35.489 | 5.19 | 0.24 | 24.789 | 0.066 | 1526. | 4.7 |
| 22 | 22.0 | 21.274 | 35.491 | 5.18 | 0.23 | 24.794 | 0.071 | 1526. | 5.8 |
| 24 | 24.0 | 21.243 | 35.492 | 5.18 | 0.23 | 24.803 | 0.078 | 1526. | 8.4 |
| 26 | 26.0 | 21.222 | 35.493 | 5.18 | 0.23 | 24.810 | 0.084 | 1526. | 10.5 |
| 28 | 28.1 | 21.092 | 35.496 | 5.12 | 0.23 | 24.848 | 0.091 | 1525. | 11.9 |
| 30 | 30.0 | 20.537 | 35.517 | 5.25 | 0.23 | 25.014 | 0.097 | 1524. | 12.5 |
| 32 | 32.0 | 19.678 | 35.517 | 5.37 | 0.24 | 25.242 | 0.102 | 1522. | 12.5 |
| 34 | 34.1 | 19.214 | 35.538 | 5.40 | 0.27 | 25.379 | 0.108 | 1520. | 12.1 |
| 36 | 35.9 | 19.146 | 35.555 | 5.43 | 0.28 | 25.409 | 0.112 | 1520. | 11.1 |
| 38 | 38.1 | 19.091 | 35.563 | 5.40 | 0.28 | 25.430 | 0.118 | 1520. | 9.4 |
| 40 | 40.1 | 18.975 | 35.562 | 5.43 | 0.28 | 25.459 | 0.123 | 1520. | 8.1 |
| 42 | 41.9 | 18.839 | 35.559 | 5.44 | 0.29 | 25.490 | 0.128 | 1520. | 7.6 |
| 44 | 44.0 | 18.689 | 35.562 | 5.42 | 0.29 | 25.531 | 0.133 | 1519. | 7.8 |
| 46 | 46.0 | 18.579 | 35.566 | 5.44 | 0.30 | 25.562 | 0.138 | 1519. | 8.1 |
| 48 | 47.9 | 18.293 | 35.574 | 5.43 | 0.30 | 25.640 | 0.142 | 1518. | 8.2 |
| 50 | 50.1 | 18.208 | 35.582 | 5.39 | 0.30 | 25.668 | 0.147 | 1518. | 8.2 |
| 52 | 51.9 | 18.084 | 35.582 | 5.39 | 0.30 | 25.698 | 0.152 | 1518. | 8.1 |
| 54 | 54.0 | 17.861 | 35.588 | 5.37 | 0.29 | 25.758 | 0.156 | 1517. | 8.1 |
| 56 | 56.0 | 17.825 | 35.605 | 5.32 | 0.28 | 25.780 | 0.161 | 1517. | 7.9 |
| 57 | 57.9 | 17.671 | 35.608 | 5.28 | 0.27 | 25.820 | 0.165 | 1516. | 7.9 |
| 60 | 60.1 | 17.398 | 35.583 | 5.31 | 0.26 | 25.867 | 0.170 | 1516. | 7.8 |
| 61 | 61.9 | 17.045 | 35.526 | 5.27 | 0.24 | 25.908 | 0.174 | 1515. | 8.2 |
| 63 | 63.9 | 16.849 | 35.511 | 5.18 | 0.23 | 25.944 | 0.178 | 1514. | 8.6 |
| 66 | 66.0 | 16.611 | 35.477 | 5.17 | 0.21 | 25.974 | 0.182 | 1513. | 8.8 |
| 67 | 68.0 | 16.178 | 35.398 | 5.18 | 0.20 | 26.014 | 0.186 | 1512. | 8.9 |
| 69 | 69.8 | 15.531 | 35.335 | 5.19 | 0.18 | 26.113 | 0.190 | 1510. | 8.8 |
| 71 | 72.0 | 15.069 | 35.280 | 5.09 | 0.17 | 26.174 | 0.194 | 1508. | 8.9 |
| 73 | 73.9 | 14.857 | 35.261 | 5.04 | 0.16 | 26.206 | 0.197 | 1508. | 8.7 |
| 75 | 76.0 | 14.770 | 35.273 | 4.99 | 0.15 | 26.234 | 0.201 | 1508. | 8.2 |
| 77 | 77.9 | 14.715 | 35.306 | 4.97 | 0.14 | 26.271 | 0.204 | 1507. | 7.5 |
| 79 | 80.0 | 14.558 | 35.345 | 4.89 | 0.13 | 26.336 | 0.208 | 1507. | 7.1 |
| 81 | 82.1 | 14.398 | 35.329 | 4.88 | 0.12 | 26.358 | 0.212 | 1506. | 6.8 |
| 83 | 83.9 | 14.285 | 35.310 | 4.86 | 0.13 | 26.367 | 0.215 | 1506. | 6.3 |
| 85 | 85.9 | 14.190 | 35.315 | 4.82 | 0.13 | 26.391 | 0.218 | 1506. | 5.7 |
| 87 | 88.1 | 14.206 | 35.359 | 4.78 | 0.12 | 26.421 | 0.222 | 1506. | 5.1 |
| 89 | 90.0 | 14.135 | 35.348 | 4.81 | 0.12 | 26.428 | 0.225 | 1506. | 4.9 |
| 91 | 91.9 | 14.071 | 35.341 | 4.77 | 0.12 | 26.436 | 0.228 | 1506. | 4.6 |
| 93 | 94.0 | 13.965 | 35.335 | 4.73 | 0.12 | 26.455 | 0.231 | 1505. | 4.7 |
| 95 | 96.0 | 13.877 | 35.328 | 4.73 | 0.12 | 26.468 | 0.234 | 1505. | 4.8 |
| 97 | 97.9 | 13.765 | 35.300 | 4.75 | 0.12 | 26.469 | 0.237 | 1505. | 5.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 27 | 12 JUL 1982 | 2353 | 40°30.4'N | 67°44.9'W | 127 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 99.9 | 13.339 | 35.199 | 4.78 | 0.13 | 26.479 | 0.240 | 1503. | 5.4 |
| 101 | 102.1 | 13.218 | 35.228 | 4.70 | 0.14 | 26.526 | 0.244 | 1503. | 5.5 |
| 103 | 103.8 | 13.233 | 35.249 | 4.73 | 0.13 | 26.540 | 0.246 | 1503. | 5.6 |
| 105 | 106.1 | 13.290 | 35.295 | 4.63 | 0.13 | 26.563 | 0.250 | 1503. | 5.6 |
| 107 | 108.0 | 13.328 | 35.329 | 4.67 | 0.13 | 26.582 | 0.253 | 1503. | 5.4 |
| 109 | 110.0 | 13.439 | 35.373 | 4.61 | 0.12 | 26.593 | 0.256 | 1504. | 5.2 |
| 110 | 111.2 | 13.473 | 35.388 | 4.61 | 0.12 | 26.598 | 0.257 | 1504. | 5.4 |
| 111 | 112.0 | 13.405 | 35.375 | 4.61 | 0.12 | 26.602 | 0.258 | 1504. | 5.7 |
| 112 | 113.0 | 13.368 | 35.387 | 4.58 | 0.12 | 26.618 | 0.260 | 1504. | 6.0 |
| 113 | 114.0 | 13.411 | 35.425 | 4.63 | 0.12 | 26.639 | 0.261 | 1504. | 6.5 |
| 114 | 114.9 | 13.351 | 35.425 | 4.65 | 0.12 | 26.652 | 0.263 | 1504. | 7.0 |
| 115 | 116.0 | 13.250 | 35.419 | 4.55 | 0.11 | 26.668 | 0.264 | 1503. | 7.2 |
| 116 | 117.1 | 13.163 | 35.404 | 4.53 | 0.12 | 26.673 | 0.266 | 1503. | 7.1 |
| 117 | 118.0 | 13.054 | 35.401 | 4.57 | 0.12 | 26.693 | 0.267 | 1503. | 6.8 |
| 118 | 119.0 | 12.854 | 35.389 | 4.61 | 0.13 | 26.724 | 0.268 | 1502. | 6.5 |
| 119 | 120.0 | 12.802 | 35.386 | 4.54 | 0.13 | 26.733 | 0.270 | 1502. | 6.5 |
| 120 | 121.0 | 12.729 | 35.377 | 4.51 | 0.13 | 26.740 | 0.271 | 1502. | 6.5 |
| 121 | 122.0 | 12.671 | 35.368 | 4.53 | 0.14 | 26.744 | 0.272 | 1502. | 6.5 |
| 122 | 122.8 | 12.643 | 35.366 | 4.51 | 0.14 | 26.748 | 0.273 | 1501. | 6.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 28 | 13 JUL 1982 | 0018 | 40°30.9'N | 67°43.7'W | 130 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 22.859 | 35.284 | 4.77 | 0.20 | 24.191 | 0.000 | 1529. | 10.8 |
| 2 | 2.0 | 22.796 | 35.275 | 4.79 | 0.20 | 24.202 | 0.004 | 1529. | 10.8 |
| 4 | 4.0 | 22.821 | 35.276 | 4.82 | 0.20 | 24.196 | 0.011 | 1529. | 10.8 |
| 6 | 5.9 | 22.073 | 35.231 | 4.90 | 0.21 | 24.374 | 0.018 | 1527. | 10.8 |
| 8 | 7.9 | 21.477 | 35.280 | 5.01 | 0.22 | 24.578 | 0.025 | 1526. | 10.8 |
| 10 | 10.1 | 21.480 | 35.340 | 5.04 | 0.22 | 24.622 | 0.032 | 1526. | 10.1 |
| 12 | 12.0 | 21.475 | 35.344 | 4.99 | 0.22 | 24.627 | 0.039 | 1526. | 9.0 |
| 14 | 14.0 | 21.499 | 35.383 | 5.04 | 0.22 | 24.650 | 0.045 | 1526. | 7.3 |
| 16 | 16.0 | 21.467 | 35.384 | 4.94 | 0.22 | 24.659 | 0.052 | 1526. | 6.3 |
| 18 | 17.9 | 21.418 | 35.378 | 4.92 | 0.22 | 24.669 | 0.058 | 1526. | 7.9 |
| 20 | 20.0 | 21.291 | 35.375 | 5.03 | 0.22 | 24.701 | 0.065 | 1526. | 9.7 |
| 22 | 22.1 | 21.122 | 35.388 | 5.03 | 0.22 | 24.758 | 0.072 | 1525. | 11.2 |
| 24 | 23.8 | 20.954 | 35.400 | 5.07 | 0.22 | 24.813 | 0.077 | 1525. | 12.4 |
| 26 | 26.1 | 20.477 | 35.486 | 5.20 | 0.22 | 25.007 | 0.084 | 1524. | 12.9 |
| 28 | 28.0 | 20.000 | 35.494 | 5.23 | 0.23 | 25.140 | 0.090 | 1522. | 13.0 |
| 30 | 30.0 | 19.402 | 35.481 | 5.25 | 0.25 | 25.286 | 0.095 | 1521. | 12.5 |
| 32 | 32.0 | 19.115 | 35.483 | 5.34 | 0.26 | 25.362 | 0.100 | 1520. | 11.5 |
| 34 | 34.0 | 18.951 | 35.496 | 5.34 | 0.27 | 25.414 | 0.105 | 1520. | 10.2 |
| 36 | 36.0 | 18.809 | 35.514 | 5.35 | 0.29 | 25.464 | 0.111 | 1519. | 9.7 |
| 38 | 38.0 | 18.688 | 35.509 | 5.32 | 0.30 | 25.491 | 0.116 | 1519. | 9.5 |
| 40 | 40.0 | 18.630 | 35.520 | 5.28 | 0.30 | 25.514 | 0.121 | 1519. | 9.6 |
| 42 | 42.1 | 18.343 | 35.523 | 5.29 | 0.29 | 25.589 | 0.126 | 1518. | 9.6 |
| 44 | 44.0 | 17.742 | 35.496 | 5.35 | 0.28 | 25.716 | 0.130 | 1516. | 9.4 |
| 46 | 46.1 | 17.413 | 35.480 | 5.28 | 0.26 | 25.784 | 0.135 | 1515. | 9.3 |
| 48 | 47.9 | 17.297 | 35.479 | 5.22 | 0.25 | 25.812 | 0.139 | 1515. | 9.0 |
| 50 | 50.1 | 17.196 | 35.470 | 5.12 | 0.24 | 25.829 | 0.144 | 1515. | 8.4 |
| 52 | 51.9 | 16.994 | 35.428 | 5.16 | 0.23 | 25.845 | 0.148 | 1514. | 7.8 |
| 54 | 54.0 | 16.711 | 35.432 | 5.14 | 0.21 | 25.916 | 0.152 | 1513. | 7.8 |
| 56 | 56.0 | 16.302 | 35.362 | 5.16 | 0.20 | 25.957 | 0.156 | 1512. | 7.8 |
| 57 | 57.9 | 16.026 | 35.322 | 5.13 | 0.20 | 25.990 | 0.160 | 1511. | 7.6 |
| 60 | 60.1 | 15.801 | 35.327 | 5.12 | 0.19 | 26.046 | 0.164 | 1511. | 7.1 |
| 61 | 62.0 | 15.690 | 35.331 | 5.12 | 0.18 | 26.074 | 0.168 | 1510. | 6.3 |
| 63 | 63.9 | 15.669 | 35.336 | 5.06 | 0.18 | 26.082 | 0.172 | 1510. | 5.7 |
| 66 | 66.1 | 15.588 | 35.328 | 5.01 | 0.17 | 26.095 | 0.176 | 1510. | 5.2 |
| 67 | 68.0 | 15.500 | 35.318 | 5.02 | 0.17 | 26.106 | 0.180 | 1510. | 5.1 |
| 69 | 70.0 | 15.431 | 35.311 | 5.00 | 0.17 | 26.116 | 0.184 | 1510. | 5.3 |
| 71 | 72.0 | 15.370 | 35.309 | 5.01 | 0.16 | 26.129 | 0.187 | 1509. | 5.8 |
| 73 | 73.9 | 15.293 | 35.320 | 4.98 | 0.16 | 26.155 | 0.191 | 1509. | 6.2 |
| 75 | 76.1 | 15.210 | 35.356 | 4.91 | 0.15 | 26.201 | 0.195 | 1509. | 6.5 |
| 77 | 77.9 | 15.087 | 35.340 | 4.91 | 0.14 | 26.216 | 0.198 | 1509. | 6.6 |
| 79 | 80.0 | 14.839 | 35.320 | 4.87 | 0.14 | 26.255 | 0.202 | 1508. | 6.5 |
| 81 | 82.1 | 14.666 | 35.304 | 4.87 | 0.14 | 26.280 | 0.206 | 1507. | 6.5 |
| 83 | 83.9 | 14.457 | 35.273 | 4.87 | 0.14 | 26.302 | 0.209 | 1507. | 6.4 |
| 85 | 86.0 | 14.152 | 35.209 | 4.80 | 0.13 | 26.317 | 0.213 | 1506. | 6.4 |
| 87 | 88.1 | 13.863 | 35.166 | 4.82 | 0.13 | 26.345 | 0.216 | 1505. | 6.2 |
| 89 | 89.9 | 13.967 | 35.243 | 4.79 | 0.13 | 26.383 | 0.219 | 1505. | 6.1 |
| 91 | 92.1 | 13.639 | 35.192 | 4.80 | 0.13 | 26.412 | 0.223 | 1504. | 6.1 |
| 93 | 93.9 | 13.562 | 35.187 | 4.81 | 0.13 | 26.424 | 0.226 | 1504. | 6.0 |
| 95 | 96.0 | 13.493 | 35.186 | 4.72 | 0.13 | 26.437 | 0.229 | 1504. | 6.0 |
| 97 | 98.1 | 13.371 | 35.176 | 4.72 | 0.13 | 26.454 | 0.232 | 1503. | 6.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 28 | 13 JUL 1982 | 0018 | 40°30.9'N | 67°43.7'W | 130 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 13.162 | 35.167 | 4.69 | 0.14 | 26.490 | 0.235 | 1503. | 6.6 |
| 101 | 102.0 | 13.145 | 35.186 | 4.69 | 0.14 | 26.508 | 0.239 | 1503. | 6.8 |
| 103 | 103.9 | 13.161 | 35.234 | 4.67 | 0.13 | 26.543 | 0.241 | 1503. | 6.9 |
| 105 | 106.0 | 13.162 | 35.285 | 4.65 | 0.13 | 26.582 | 0.244 | 1503. | 6.8 |
| 107 | 108.0 | 13.349 | 35.399 | 4.56 | 0.12 | 26.632 | 0.247 | 1504. | 6.5 |
| 109 | 109.9 | 13.443 | 35.433 | 4.53 | 0.11 | 26.638 | 0.250 | 1504. | 6.2 |
| 110 | 111.2 | 13.470 | 35.445 | 4.52 | 0.11 | 26.643 | 0.252 | 1504. | 5.5 |
| 111 | 112.0 | 13.505 | 35.458 | 4.50 | 0.11 | 26.645 | 0.253 | 1504. | 4.9 |
| 112 | 112.9 | 13.550 | 35.472 | 4.49 | 0.11 | 26.647 | 0.254 | 1504. | 4.3 |
| 113 | 114.0 | 13.620 | 35.499 | 4.48 | 0.11 | 26.653 | 0.256 | 1505. | 5.2 |
| 114 | 115.0 | 13.599 | 35.505 | 4.50 | 0.11 | 26.663 | 0.257 | 1505. | 6.0 |
| 115 | 116.0 | 13.520 | 35.505 | 4.51 | 0.11 | 26.679 | 0.259 | 1504. | 6.8 |
| 116 | 117.0 | 13.468 | 35.499 | 4.51 | 0.10 | 26.685 | 0.260 | 1504. | 7.8 |
| 117 | 118.0 | 13.296 | 35.487 | 4.51 | 0.10 | 26.711 | 0.261 | 1504. | 8.4 |
| 118 | 119.0 | 13.077 | 35.460 | 4.50 | 0.11 | 26.734 | 0.263 | 1503. | 8.7 |
| 119 | 120.0 | 12.916 | 35.458 | 4.48 | 0.11 | 26.765 | 0.264 | 1502. | 8.6 |
| 120 | 121.0 | 12.670 | 35.446 | 4.52 | 0.11 | 26.805 | 0.265 | 1502. | 8.2 |
| 121 | 122.0 | 12.607 | 35.454 | 4.46 | 0.11 | 26.824 | 0.267 | 1501. | 7.6 |
| 122 | 123.0 | 12.567 | 35.454 | 4.44 | 0.11 | 26.832 | 0.268 | 1501. | 7.6 |
| 123 | 124.0 | 12.535 | 35.454 | 4.41 | 0.11 | 26.838 | 0.269 | 1501. | 7.6 |
| 124 | 125.1 | 12.483 | 35.447 | 4.37 | 0.11 | 26.843 | 0.270 | 1501. | 7.6 |
| 125 | 125.9 | 12.439 | 35.452 | 4.25 | 0.12 | 26.855 | 0.271 | 1501. | 7.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 29 | 13 JUL 1982 | 0038 | 40°31.2'N | 67°43.2'W | 167 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 22.553 | 35.277 | 4.84 | 0.21 | 24.273 | 0.000 | 1529. | 9.7 |
| 2 | 2.0 | 22.652 | 35.279 | 4.88 | 0.21 | 24.247 | 0.004 | 1529. | 9.7 |
| 4 | 3.9 | 22.656 | 35.274 | 4.86 | 0.21 | 24.241 | 0.011 | 1529. | 9.7 |
| 6 | 6.0 | 22.088 | 35.221 | 4.98 | 0.21 | 24.363 | 0.019 | 1527. | 9.7 |
| 8 | 7.9 | 21.485 | 35.241 | 5.02 | 0.22 | 24.546 | 0.026 | 1526. | 9.7 |
| 10 | 10.1 | 21.472 | 35.290 | 5.02 | 0.22 | 24.586 | 0.033 | 1526. | 9.8 |
| 12 | 12.0 | 21.474 | 35.303 | 5.05 | 0.22 | 24.596 | 0.039 | 1526. | 10.2 |
| 14 | 14.0 | 21.464 | 35.315 | 5.06 | 0.22 | 24.608 | 0.046 | 1526. | 10.5 |
| 16 | 16.0 | 21.412 | 35.334 | 5.07 | 0.22 | 24.636 | 0.053 | 1526. | 10.8 |
| 18 | 18.0 | 21.166 | 35.374 | 5.09 | 0.22 | 24.734 | 0.059 | 1525. | 11.3 |
| 20 | 20.0 | 20.747 | 35.444 | 5.13 | 0.22 | 24.902 | 0.065 | 1524. | 11.8 |
| 22 | 21.9 | 20.324 | 35.503 | 5.21 | 0.22 | 25.061 | 0.071 | 1523. | 12.0 |
| 24 | 24.0 | 20.183 | 35.513 | 5.22 | 0.23 | 25.106 | 0.077 | 1523. | 11.6 |
| 26 | 26.0 | 20.088 | 35.499 | 5.24 | 0.23 | 25.121 | 0.083 | 1523. | 10.6 |
| 28 | 28.0 | 19.628 | 35.463 | 5.33 | 0.24 | 25.214 | 0.088 | 1521. | 9.5 |
| 30 | 30.1 | 19.282 | 35.461 | 5.36 | 0.25 | 25.302 | 0.094 | 1520. | 8.9 |
| 32 | 31.9 | 19.099 | 35.429 | 5.39 | 0.25 | 25.325 | 0.099 | 1520. | 8.9 |
| 34 | 34.1 | 18.919 | 35.394 | 5.42 | 0.25 | 25.344 | 0.105 | 1519. | 8.6 |
| 36 | 35.9 | 18.703 | 35.373 | 5.45 | 0.25 | 25.383 | 0.109 | 1519. | 7.9 |
| 38 | 38.0 | 18.548 | 35.430 | 5.44 | 0.27 | 25.466 | 0.115 | 1518. | 7.4 |
| 40 | 40.1 | 18.578 | 35.485 | 5.40 | 0.29 | 25.500 | 0.120 | 1519. | 7.8 |
| 42 | 41.9 | 18.572 | 35.494 | 5.40 | 0.29 | 25.509 | 0.125 | 1519. | 8.2 |
| 44 | 44.0 | 18.534 | 35.503 | 5.35 | 0.30 | 25.525 | 0.130 | 1519. | 8.4 |
| 46 | 45.9 | 18.362 | 35.494 | 5.34 | 0.29 | 25.562 | 0.134 | 1518. | 8.5 |
| 48 | 48.0 | 17.868 | 35.465 | 5.40 | 0.27 | 25.662 | 0.139 | 1517. | 9.2 |
| 50 | 50.0 | 17.597 | 35.449 | 5.35 | 0.26 | 25.716 | 0.144 | 1516. | 9.7 |
| 52 | 52.0 | 17.390 | 35.443 | 5.29 | 0.25 | 25.762 | 0.149 | 1515. | 10.0 |
| 54 | 54.1 | 16.929 | 35.364 | 5.30 | 0.23 | 25.812 | 0.153 | 1514. | 10.0 |
| 56 | 56.0 | 16.524 | 35.375 | 5.31 | 0.20 | 25.915 | 0.157 | 1513. | 9.7 |
| 58 | 58.1 | 15.984 | 35.268 | 5.27 | 0.19 | 25.958 | 0.161 | 1511. | 9.6 |
| 59 | 59.9 | 15.544 | 35.217 | 5.24 | 0.17 | 26.019 | 0.165 | 1510. | 9.4 |
| 61 | 62.0 | 15.362 | 35.231 | 5.18 | 0.16 | 26.071 | 0.169 | 1509. | 9.2 |
| 64 | 64.1 | 15.032 | 35.206 | 5.15 | 0.16 | 26.124 | 0.173 | 1508. | 8.6 |
| 65 | 66.0 | 14.978 | 35.240 | 5.12 | 0.15 | 26.163 | 0.177 | 1508. | 8.2 |
| 67 | 68.0 | 14.818 | 35.251 | 5.05 | 0.15 | 26.206 | 0.181 | 1508. | 7.7 |
| 69 | 70.0 | 14.788 | 35.311 | 4.96 | 0.14 | 26.259 | 0.184 | 1508. | 7.3 |
| 71 | 72.0 | 14.614 | 35.273 | 4.95 | 0.14 | 26.268 | 0.188 | 1507. | 7.0 |
| 73 | 74.0 | 14.094 | 35.151 | 4.99 | 0.14 | 26.285 | 0.191 | 1505. | 6.8 |
| 75 | 75.9 | 13.795 | 35.108 | 5.00 | 0.14 | 26.315 | 0.195 | 1504. | 6.5 |
| 77 | 78.0 | 13.627 | 35.104 | 4.95 | 0.14 | 26.346 | 0.198 | 1504. | 6.1 |
| 79 | 80.0 | 13.650 | 35.162 | 4.87 | 0.13 | 26.386 | 0.201 | 1504. | 5.8 |
| 81 | 82.0 | 13.512 | 35.146 | 4.87 | 0.13 | 26.403 | 0.205 | 1503. | 5.5 |
| 83 | 84.0 | 13.348 | 35.119 | 4.89 | 0.13 | 26.415 | 0.208 | 1503. | 5.0 |
| 85 | 86.0 | 13.336 | 35.123 | 4.85 | 0.13 | 26.421 | 0.211 | 1503. | 4.8 |
| 87 | 88.0 | 13.323 | 35.122 | 4.81 | 0.13 | 26.422 | 0.214 | 1503. | 5.0 |
| 89 | 90.0 | 13.256 | 35.128 | 4.81 | 0.14 | 26.441 | 0.218 | 1503. | 5.6 |
| 91 | 92.1 | 13.208 | 35.135 | 4.76 | 0.14 | 26.456 | 0.221 | 1503. | 6.1 |
| 93 | 94.0 | 13.090 | 35.151 | 4.78 | 0.14 | 26.492 | 0.224 | 1502. | 6.5 |
| 95 | 96.1 | 13.002 | 35.175 | 4.74 | 0.14 | 26.529 | 0.227 | 1502. | 6.6 |
| 97 | 98.0 | 12.924 | 35.201 | 4.71 | 0.14 | 26.564 | 0.230 | 1502. | 6.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 29 | 13 JUL 1982 | 0038 | 40°31.2'N | 67°43.2'W | 167 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 99.9 | 12.889 | 35.222 | 4.69 | 0.14 | 26.588 | 0.233 | 1502. | 6.3 |
| 101 | 102.0 | 12.877 | 35.250 | 4.60 | 0.14 | 26.612 | 0.236 | 1502. | 5.8 |
| 103 | 104.1 | 12.955 | 35.287 | 4.58 | 0.13 | 26.625 | 0.239 | 1502. | 5.3 |
| 105 | 106.0 | 13.167 | 35.369 | 4.57 | 0.12 | 26.646 | 0.242 | 1503. | 4.9 |
| 107 | 108.0 | 13.213 | 35.387 | 4.56 | 0.12 | 26.650 | 0.244 | 1503. | 4.5 |
| 109 | 110.1 | 13.226 | 35.417 | 4.53 | 0.12 | 26.671 | 0.247 | 1503. | 4.2 |
| 111 | 112.0 | 13.256 | 35.434 | 4.54 | 0.12 | 26.678 | 0.250 | 1503. | 4.2 |
| 113 | 113.9 | 13.256 | 35.445 | 4.54 | 0.12 | 26.686 | 0.253 | 1503. | 4.6 |
| 115 | 116.1 | 13.283 | 35.462 | 4.52 | 0.11 | 26.694 | 0.256 | 1504. | 5.2 |
| 117 | 117.9 | 13.291 | 35.474 | 4.54 | 0.11 | 26.701 | 0.258 | 1504. | 5.8 |
| 119 | 120.0 | 13.229 | 35.490 | 4.48 | 0.11 | 26.727 | 0.261 | 1504. | 6.2 |
| 121 | 122.0 | 12.988 | 35.480 | 4.50 | 0.10 | 26.768 | 0.264 | 1503. | 6.4 |
| 123 | 124.0 | 12.744 | 35.459 | 4.51 | 0.11 | 26.801 | 0.266 | 1502. | 6.3 |
| 125 | 126.0 | 12.575 | 35.471 | 4.46 | 0.11 | 26.843 | 0.269 | 1501. | 6.1 |
| 127 | 128.0 | 12.543 | 35.480 | 4.40 | 0.11 | 26.857 | 0.271 | 1501. | 5.4 |
| 129 | 130.0 | 12.520 | 35.479 | 4.35 | 0.11 | 26.861 | 0.274 | 1501. | 4.6 |
| 131 | 132.0 | 12.490 | 35.480 | 4.32 | 0.11 | 26.868 | 0.276 | 1501. | 3.7 |
| 133 | 134.0 | 12.450 | 35.486 | 4.32 | 0.11 | 26.880 | 0.278 | 1501. | 2.9 |
| 135 | 135.9 | 12.443 | 35.487 | 4.30 | 0.11 | 26.882 | 0.281 | 1501. | 2.5 |
| 137 | 138.0 | 12.436 | 35.487 | 4.28 | 0.11 | 26.883 | 0.283 | 1501. | 2.5 |
| 139 | 140.0 | 12.423 | 35.485 | 4.29 | 0.11 | 26.884 | 0.286 | 1501. | 2.5 |
| 141 | 142.0 | 12.415 | 35.485 | 4.25 | 0.11 | 26.886 | 0.288 | 1501. | 2.6 |
| 143 | 144.0 | 12.406 | 35.486 | 4.25 | 0.11 | 26.888 | 0.290 | 1501. | 2.8 |
| 145 | 146.0 | 12.340 | 35.482 | 4.27 | 0.11 | 26.898 | 0.293 | 1501. | 3.1 |
| 147 | 148.0 | 12.263 | 35.475 | 4.26 | 0.11 | 26.908 | 0.295 | 1501. | 3.3 |
| 149 | 150.0 | 12.237 | 35.476 | 4.25 | 0.11 | 26.914 | 0.297 | 1501. | 3.4 |
| 150 | 151.2 | 12.204 | 35.473 | 4.23 | 0.11 | 26.918 | 0.299 | 1501. | 3.4 |
| 151 | 152.0 | 12.187 | 35.473 | 4.22 | 0.12 | 26.921 | 0.300 | 1501. | 3.3 |
| 152 | 153.0 | 12.162 | 35.471 | 4.20 | 0.11 | 26.924 | 0.301 | 1500. | 3.1 |
| 153 | 154.0 | 12.145 | 35.469 | 4.19 | 0.11 | 26.926 | 0.302 | 1500. | 3.3 |
| 154 | 155.0 | 12.125 | 35.467 | 4.23 | 0.11 | 26.928 | 0.303 | 1500. | 3.7 |
| 155 | 156.0 | 12.095 | 35.464 | 4.23 | 0.12 | 26.932 | 0.304 | 1500. | 4.0 |
| 156 | 157.0 | 12.035 | 35.453 | 4.16 | 0.12 | 26.935 | 0.306 | 1500. | 4.2 |
| 157 | 158.0 | 11.966 | 35.448 | 4.18 | 0.12 | 26.944 | 0.307 | 1500. | 4.3 |
| 158 | 159.0 | 11.889 | 35.445 | 4.16 | 0.12 | 26.957 | 0.308 | 1500. | 4.2 |
| 159 | 160.0 | 11.866 | 35.442 | 4.14 | 0.12 | 26.959 | 0.309 | 1500. | 4.0 |
| 160 | 160.9 | 11.850 | 35.443 | 4.09 | 0.12 | 26.963 | 0.310 | 1499. | 3.8 |
| 161 | 162.1 | 11.833 | 35.443 | 4.09 | 0.12 | 26.966 | 0.311 | 1499. | 3.6 |
| 162 | 162.9 | 11.830 | 35.443 | 4.04 | 0.12 | 26.967 | 0.312 | 1499. | 3.2 |
| 163 | 164.0 | 11.817 | 35.443 | 4.00 | 0.13 | 26.969 | 0.313 | 1499. | 3.2 |
| 164 | 165.0 | 11.704 | 35.423 | 4.06 | 0.13 | 26.975 | 0.315 | 1499. | 3.2 |
| 165 | 166.0 | 11.669 | 35.427 | 4.09 | 0.14 | 26.984 | 0.316 | 1499. | 3.2 |
| 165 | 166.6 | 11.675 | 35.418 | 4.14 | 0.13 | 26.977 | 0.316 | 1499. | 3.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 30 | 13 JUL 1982 | 0102 | 40°31.4'N | 67°42.9'W | 315 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 22.419 | 35.265 | 4.88 | 0.22 | 24.302 | 0.000 | 1528. | 10.1 |
| 2 | 2.1 | 22.559 | 35.271 | 4.91 | 0.21 | 24.267 | 0.005 | 1529. | 10.1 |
| 4 | 4.1 | 22.578 | 35.262 | 4.92 | 0.21 | 24.255 | 0.012 | 1529. | 10.1 |
| 6 | 6.0 | 21.709 | 35.206 | 4.94 | 0.21 | 24.457 | 0.019 | 1526. | 10.1 |
| 8 | 8.0 | 21.483 | 35.272 | 4.90 | 0.22 | 24.570 | 0.026 | 1526. | 10.1 |
| 10 | 10.1 | 21.478 | 35.285 | 4.92 | 0.22 | 24.581 | 0.033 | 1526. | 10.8 |
| 12 | 11.9 | 21.445 | 35.294 | 5.01 | 0.22 | 24.597 | 0.039 | 1526. | 11.5 |
| 14 | 13.9 | 21.240 | 35.278 | 5.05 | 0.22 | 24.642 | 0.045 | 1525. | 11.5 |
| 16 | 16.1 | 21.099 | 35.378 | 5.07 | 0.22 | 24.756 | 0.052 | 1525. | 11.7 |
| 18 | 17.8 | 20.795 | 35.443 | 5.11 | 0.21 | 24.888 | 0.058 | 1524. | 12.0 |
| 20 | 20.3 | 20.245 | 35.505 | 5.21 | 0.21 | 25.083 | 0.065 | 1523. | 11.9 |
| 22 | 21.9 | 20.052 | 35.494 | 5.22 | 0.22 | 25.127 | 0.070 | 1523. | 11.3 |
| 24 | 24.0 | 19.971 | 35.487 | 5.24 | 0.23 | 25.142 | 0.076 | 1522. | 10.4 |
| 26 | 26.0 | 19.560 | 35.428 | 5.26 | 0.23 | 25.205 | 0.081 | 1521. | 9.6 |
| 28 | 27.9 | 19.176 | 35.371 | 5.36 | 0.23 | 25.261 | 0.086 | 1520. | 9.1 |
| 30 | 30.1 | 18.819 | 35.314 | 5.40 | 0.23 | 25.308 | 0.092 | 1519. | 9.3 |
| 32 | 32.0 | 18.621 | 35.316 | 5.43 | 0.23 | 25.360 | 0.097 | 1518. | 9.5 |
| 34 | 33.9 | 18.506 | 35.365 | 5.43 | 0.25 | 25.426 | 0.102 | 1518. | 9.5 |
| 36 | 36.0 | 18.304 | 35.409 | 5.44 | 0.27 | 25.511 | 0.108 | 1518. | 9.3 |
| 38 | 38.0 | 18.277 | 35.432 | 5.35 | 0.28 | 25.535 | 0.112 | 1518. | 9.0 |
| 40 | 40.1 | 18.069 | 35.435 | 5.38 | 0.27 | 25.589 | 0.117 | 1517. | 8.4 |
| 42 | 42.0 | 17.700 | 35.410 | 5.38 | 0.26 | 25.661 | 0.122 | 1516. | 7.8 |
| 44 | 44.0 | 17.569 | 35.397 | 5.34 | 0.25 | 25.683 | 0.127 | 1516. | 8.1 |
| 46 | 46.0 | 17.468 | 35.375 | 5.31 | 0.24 | 25.691 | 0.131 | 1515. | 8.5 |
| 48 | 47.9 | 17.163 | 35.304 | 5.31 | 0.23 | 25.710 | 0.136 | 1514. | 8.6 |
| 50 | 50.0 | 16.611 | 35.181 | 5.38 | 0.21 | 25.746 | 0.140 | 1513. | 8.6 |
| 52 | 52.1 | 15.714 | 35.110 | 5.49 | 0.18 | 25.898 | 0.145 | 1510. | 8.7 |
| 53 | 53.8 | 15.623 | 35.129 | 5.40 | 0.17 | 25.933 | 0.149 | 1510. | 8.8 |
| 56 | 56.1 | 15.593 | 35.146 | 5.32 | 0.17 | 25.954 | 0.153 | 1510. | 8.6 |
| 58 | 58.0 | 15.485 | 35.150 | 5.30 | 0.17 | 25.981 | 0.157 | 1509. | 8.3 |
| 60 | 60.0 | 15.294 | 35.139 | 5.27 | 0.16 | 26.015 | 0.161 | 1509. | 7.9 |
| 61 | 61.9 | 15.044 | 35.125 | 5.22 | 0.16 | 26.060 | 0.165 | 1508. | 8.1 |
| 64 | 64.1 | 14.771 | 35.111 | 5.24 | 0.15 | 26.109 | 0.169 | 1507. | 8.1 |
| 65 | 65.9 | 14.559 | 35.125 | 5.18 | 0.14 | 26.165 | 0.173 | 1507. | 7.8 |
| 67 | 68.0 | 14.464 | 35.167 | 5.10 | 0.14 | 26.218 | 0.176 | 1506. | 7.3 |
| 69 | 70.0 | 14.521 | 35.208 | 5.02 | 0.13 | 26.238 | 0.180 | 1507. | 6.7 |
| 71 | 72.0 | 14.280 | 35.159 | 5.04 | 0.13 | 26.251 | 0.184 | 1506. | 6.1 |
| 73 | 74.0 | 14.101 | 35.126 | 4.99 | 0.14 | 26.264 | 0.187 | 1505. | 5.4 |
| 75 | 75.9 | 13.986 | 35.107 | 4.97 | 0.14 | 26.274 | 0.191 | 1505. | 5.1 |
| 77 | 78.0 | 13.707 | 35.067 | 4.98 | 0.14 | 26.301 | 0.194 | 1504. | 5.1 |
| 79 | 80.1 | 13.570 | 35.053 | 4.98 | 0.14 | 26.318 | 0.198 | 1503. | 5.1 |
| 81 | 82.0 | 13.549 | 35.065 | 4.91 | 0.14 | 26.332 | 0.201 | 1503. | 5.2 |
| 83 | 84.0 | 13.550 | 35.088 | 4.89 | 0.14 | 26.349 | 0.205 | 1503. | 5.3 |
| 85 | 86.0 | 13.543 | 35.100 | 4.87 | 0.14 | 26.361 | 0.208 | 1504. | 5.3 |
| 87 | 88.2 | 13.484 | 35.105 | 4.83 | 0.14 | 26.376 | 0.211 | 1503. | 5.3 |
| 89 | 89.8 | 13.399 | 35.114 | 4.82 | 0.14 | 26.401 | 0.214 | 1503. | 5.7 |
| 91 | 92.0 | 13.342 | 35.129 | 4.80 | 0.14 | 26.424 | 0.218 | 1503. | 6.0 |
| 93 | 94.1 | 13.297 | 35.139 | 4.77 | 0.14 | 26.441 | 0.221 | 1503. | 6.3 |
| 95 | 95.9 | 13.236 | 35.144 | 4.75 | 0.14 | 26.457 | 0.224 | 1503. | 6.8 |
| 97 | 98.0 | 13.091 | 35.169 | 4.70 | 0.14 | 26.506 | 0.227 | 1502. | 7.4 |
| 99 | 99.9 | 13.023 | 35.180 | 4.70 | 0.14 | 26.529 | 0.230 | 1502. | 7.7 |
| 101 | 102.0 | 12.908 | 35.196 | 4.65 | 0.14 | 26.564 | 0.233 | 1502. | 8.1 |
| 103 | 104.1 | 12.818 | 35.244 | 4.64 | 0.13 | 26.619 | 0.236 | 1502. | 8.1 |
| 105 | 105.9 | 13.087 | 35.404 | 4.55 | 0.12 | 26.689 | 0.239 | 1503. | 8.1 |
| 107 | 108.0 | 13.222 | 35.467 | 4.48 | 0.11 | 26.710 | 0.242 | 1503. | 8.0 |
| 109 | 110.0 | 13.094 | 35.488 | 4.52 | 0.10 | 26.753 | 0.244 | 1503. | 7.6 |
| 111 | 112.0 | 13.017 | 35.505 | 4.47 | 0.10 | 26.781 | 0.247 | 1503. | 7.0 |
| 113 | 114.0 | 12.772 | 35.487 | 4.48 | 0.10 | 26.816 | 0.250 | 1502. | 6.3 |
| 115 | 115.9 | 12.632 | 35.499 | 4.44 | 0.10 | 26.846 | 0.252 | 1501. | 5.7 |
| 117 | 118.0 | 12.547 | 35.491 | 4.38 | 0.11 | 26.864 | 0.255 | 1501. | 4.9 |
| 119 | 120.0 | 12.532 | 35.494 | 4.36 | 0.11 | 26.870 | 0.257 | 1501. | 4.0 |
| 121 | 122.0 | 12.516 | 35.493 | 4.35 | 0.11 | 26.872 | 0.259 | 1501. | 3.0 |
| 123 | 124.0 | 12.503 | 35.492 | 4.34 | 0.11 | 26.874 | 0.262 | 1501. | 2.1 |
| 125 | 126.0 | 12.499 | 35.492 | 4.33 | 0.11 | 26.874 | 0.264 | 1501. | 1.6 |
| 127 | 128.0 | 12.501 | 35.492 | 4.32 | 0.11 | 26.874 | 0.267 | 1501. | 1.6 |
| 129 | 130.0 | 12.502 | 35.492 | 4.33 | 0.11 | 26.874 | 0.269 | 1501. | 1.9 |
| 131 | 131.9 | 12.485 | 35.490 | 4.32 | 0.11 | 26.876 | 0.271 | 1501. | 2.2 |
| 133 | 134.1 | 12.458 | 35.490 | 4.31 | 0.11 | 26.881 | 0.274 | 1501. | 2.5 |
| 135 | 135.9 | 12.430 | 35.489 | 4.31 | 0.11 | 26.886 | 0.276 | 1501. | 2.8 |
| 137 | 138.1 | 12.383 | 35.485 | 4.29 | 0.11 | 26.893 | 0.279 | 1501. | 2.8 |
| 139 | 140.0 | 12.344 | 35.481 | 4.31 | 0.11 | 26.896 | 0.281 | 1501. | 2.7 |
| 141 | 142.0 | 12.285 | 35.478 | 4.30 | 0.11 | 26.906 | 0.283 | 1501. | 2.5 |
| 143 | 143.9 | 12.273 | 35.478 | 4.28 | 0.11 | 26.908 | 0.285 | 1501. | 2.5 |
| 145 | 146.1 | 12.274 | 35.479 | 4.23 | 0.11 | 26.909 | 0.288 | 1501. | 2.8 |
| 147 | 148.0 | 12.268 | 35.477 | 4.25 | 0.11 | 26.909 | 0.290 | 1501. | 3.4 |
| 149 | 149.9 | 12.259 | 35.477 | 4.25 | 0.11 | 26.910 | 0.292 | 1501. | 3.8 |
| 151 | 152.0 | 12.153 | 35.469 | 4.23 | 0.11 | 26.924 | 0.295 | 1500. | 4.2 |
| 153 | 154.0 | 11.970 | 35.446 | 4.23 | 0.12 | 26.942 | 0.297 | 1500. | 4.4 |
| 155 | 156.0 | 11.813 | 35.442 | 4.24 | 0.12 | 26.969 | 0.299 | 1499. | 4.3 |
| 157 | 158.1 | 11.755 | 35.435 | 4.19 | 0.12 | 26.974 | 0.302 | 1499. | 4.1 |
| 159 | 159.9 | 11.685 | 35.426 | 4.21 | 0.13 | 26.981 | 0.304 | 1499. | 3.5 |
| 161 | 162.0 | 11.643 | 35.424 | 4.18 | 0.13 | 26.987 | 0.306 | 1499. | 2.8 |
| 163 | 164.0 | 11.638 | 35.424 | 4.17 | 0.13 | 26.988 | 0.308 | 1499. | 2.0 |
| 165 | 166.0 | 11.633 | 35.424 | 4.19 | 0.13 | 26.989 | 0.311 | 1499. | 1.7 |
| 167 | 168.0 | 11.634 | 35.425 | 4.18 | 0.13 | 26.989 | 0.313 | 1499. | 1.5 |
| 169 | 170.0 | 11.635 | 35.425 | 4.17 | 0.13 | 26.989 | 0.315 | 1499. | 1.8 |
| 171 | 172.0 | 11.588 | 35.414 | 4.19 | 0.13 | 26.990 | 0.317 | 1499. | 2.5 |
| 173 | 173.9 | 11.549 | 35.408 | 4.19 | 0.14 | 26.992 | 0.319 | 1499. | 3.1 |
| 175 | 176.1 | 11.483 | 35.398 | 4.19 | 0.14 | 26.997 | 0.322 | 1498. | 3.4 |
| 177 | 177.9 | 11.365 | 35.384 | 4.23 | 0.15 | 27.008 | 0.324 | 1498. | 3.6 |
| 179 | 180.0 | 11.242 | 35.379 | 4.21 | 0.15 | 27.027 | 0.326 | 1498. | 3.6 |
| 181 | 182.0 | 11.176 | 35.376 | 4.22 | 0.16 | 27.037 | 0.328 | 1497. | 3.5 |
| 182 | 184.0 | 11.166 | 35.377 | 4.21 | 0.16 | 27.039 | 0.330 | 1497. | 3.6 |
| 185 | 186.1 | 11.162 | 35.377 | 4.20 | 0.16 | 27.040 | 0.332 | 1497. | 3.5 |
| 186 | 188.0 | 11.149 | 35.376 | 4.21 | 0.15 | 27.042 | 0.334 | 1497. | 3.4 |
| 188 | 190.0 | 11.033 | 35.364 | 4.19 | 0.16 | 27.054 | 0.336 | 1497. | 3.3 |
| 191 | 192.1 | 10.886 | 35.356 | 4.21 | 0.16 | 27.074 | 0.339 | 1497. | 3.3 |
| 192 | 194.0 | 10.878 | 35.359 | 4.22 | 0.15 | 27.078 | 0.340 | 1497. | 3.3 |
| 194 | 196.0 | 10.877 | 35.359 | 4.17 | 0.15 | 27.078 | 0.343 | 1497. | 3.4 |
| 196 | 198.0 | 10.871 | 35.359 | 4.17 | 0.15 | 27.079 | 0.345 | 1497. | 3.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 30 | 13 JUL 1982 | 0102 | 40°31.4'N | 67°42.9'W | 315 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 200.0 | 10.822 | 35.353 | 4.18 | 0.15 | 27.083 | 0.347 | 1496. | 3.5 |
| 200 | 202.0 | 10.709 | 35.343 | 4.19 | 0.16 | 27.096 | 0.349 | 1496. | 3.8 |
| 202 | 204.0 | 10.564 | 35.329 | 4.23 | 0.16 | 27.111 | 0.351 | 1496. | 4.1 |
| 204 | 206.0 | 10.482 | 35.328 | 4.21 | 0.16 | 27.125 | 0.353 | 1495. | 4.3 |
| 206 | 208.1 | 10.420 | 35.324 | 4.18 | 0.17 | 27.132 | 0.355 | 1495. | 4.4 |
| 208 | 210.0 | 10.355 | 35.320 | 4.23 | 0.17 | 27.140 | 0.356 | 1495. | 4.2 |
| 210 | 212.0 | 10.199 | 35.305 | 4.25 | 0.18 | 27.156 | 0.358 | 1494. | 4.1 |
| 212 | 214.0 | 10.104 | 35.301 | 4.24 | 0.18 | 27.170 | 0.360 | 1494. | 4.2 |
| 214 | 216.0 | 10.044 | 35.298 | 4.24 | 0.18 | 27.177 | 0.362 | 1494. | 4.4 |
| 216 | 218.0 | 10.007 | 35.296 | 4.27 | 0.18 | 27.183 | 0.364 | 1494. | 4.4 |
| 218 | 220.0 | 9.871 | 35.282 | 4.27 | 0.18 | 27.195 | 0.366 | 1493. | 4.2 |
| 220 | 222.0 | 9.675 | 35.266 | 4.30 | 0.18 | 27.216 | 0.368 | 1493. | 4.0 |
| 222 | 224.0 | 9.587 | 35.265 | 4.31 | 0.19 | 27.230 | 0.369 | 1492. | 3.7 |
| 224 | 225.9 | 9.569 | 35.268 | 4.32 | 0.20 | 27.234 | 0.371 | 1492. | 3.4 |
| 226 | 228.0 | 9.549 | 35.267 | 4.30 | 0.21 | 27.237 | 0.373 | 1492. | 3.1 |
| 228 | 230.0 | 9.548 | 35.267 | 4.32 | 0.20 | 27.237 | 0.375 | 1492. | 3.2 |
| 230 | 231.9 | 9.543 | 35.267 | 4.32 | 0.21 | 27.238 | 0.376 | 1492. | 3.5 |
| 232 | 234.1 | 9.504 | 35.261 | 4.30 | 0.20 | 27.240 | 0.378 | 1492. | 4.0 |
| 234 | 235.9 | 9.338 | 35.246 | 4.35 | 0.21 | 27.256 | 0.380 | 1492. | 4.4 |
| 236 | 238.1 | 9.096 | 35.232 | 4.35 | 0.23 | 27.285 | 0.382 | 1491. | 4.6 |
| 238 | 239.9 | 8.998 | 35.225 | 4.40 | 0.22 | 27.295 | 0.383 | 1490. | 4.5 |
| 240 | 242.0 | 8.896 | 35.221 | 4.39 | 0.24 | 27.308 | 0.385 | 1490. | 4.2 |
| 242 | 244.0 | 8.797 | 35.215 | 4.42 | 0.24 | 27.320 | 0.386 | 1490. | 3.6 |
| 244 | 246.0 | 8.786 | 35.216 | 4.45 | 0.23 | 27.322 | 0.388 | 1490. | 2.8 |
| 246 | 248.0 | 8.783 | 35.217 | 4.44 | 0.24 | 27.323 | 0.389 | 1490. | 2.2 |
| 248 | 250.1 | 8.774 | 35.214 | 4.42 | 0.23 | 27.323 | 0.391 | 1490. | 1.5 |
| 250 | 252.0 | 8.763 | 35.215 | 4.45 | 0.23 | 27.325 | 0.393 | 1490. | 0.8 |
| 252 | 254.0 | 8.773 | 35.217 | 4.42 | 0.24 | 27.325 | 0.394 | 1490. | 0.4 |
| 254 | 255.9 | 8.782 | 35.218 | 4.43 | 0.23 | 27.324 | 0.396 | 1490. | -0.2 |
| 256 | 258.1 | 8.786 | 35.218 | 4.41 | 0.23 | 27.323 | 0.397 | 1490. | -0.5 |
| 258 | 259.9 | 8.786 | 35.217 | 4.43 | 0.22 | 27.323 | 0.399 | 1490. | -0.8 |
| 260 | 262.0 | 8.784 | 35.217 | 4.41 | 0.23 | 27.324 | 0.401 | 1490. | -0.7 |
| 262 | 264.0 | 8.788 | 35.218 | 4.40 | 0.23 | 27.323 | 0.402 | 1490. | -0.5 |
| 264 | 266.0 | 8.795 | 35.218 | 4.42 | 0.24 | 27.322 | 0.404 | 1490. | -0.3 |
| 266 | 268.1 | 8.800 | 35.218 | 4.40 | 0.24 | 27.322 | 0.405 | 1490. | -0.1 |
| 268 | 269.9 | 8.793 | 35.218 | 4.43 | 0.24 | 27.322 | 0.407 | 1490. | 0.3 |
| 270 | 272.0 | 8.790 | 35.218 | 4.38 | 0.25 | 27.323 | 0.409 | 1490. | 0.5 |
| 272 | 274.1 | 8.785 | 35.217 | 4.40 | 0.24 | 27.323 | 0.410 | 1490. | 0.6 |
| 274 | 275.9 | 8.781 | 35.216 | 4.42 | 0.24 | 27.323 | 0.412 | 1490. | 0.6 |
| 276 | 278.0 | 8.790 | 35.218 | 4.37 | 0.25 | 27.323 | 0.413 | 1490. | 0.5 |
| 278 | 280.2 | 8.785 | 35.217 | 4.38 | 0.24 | 27.323 | 0.415 | 1490. | 0.1 |
| 280 | 281.9 | 8.788 | 35.218 | 4.40 | 0.24 | 27.323 | 0.416 | 1490. | -0.6 |
| 282 | 284.1 | 8.782 | 35.217 | 4.36 | 0.25 | 27.323 | 0.418 | 1490. | -0.6 |
| 284 | 286.0 | 8.782 | 35.218 | 4.39 | 0.24 | 27.324 | 0.420 | 1490. | -0.6 |
| 286 | 288.0 | 8.805 | 35.219 | 4.39 | 0.25 | 27.322 | 0.421 | 1490. | -0.5 |
| 288 | 290.1 | 8.808 | 35.218 | 4.36 | 0.25 | 27.320 | 0.423 | 1491. | -0.4 |
| 290 | 292.0 | 8.802 | 35.219 | 4.38 | 0.25 | 27.321 | 0.424 | 1491. | 0.2 |
| 292 | 294.1 | 8.792 | 35.218 | 4.38 | 0.25 | 27.322 | 0.426 | 1491. | 0.8 |
| 293 | 295.9 | 8.786 | 35.217 | 4.39 | 0.25 | 27.323 | 0.428 | 1491. | 1.2 |
| 296 | 298.0 | 8.789 | 35.217 | 4.36 | 0.26 | 27.322 | 0.429 | 1491. | 1.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 30 | 13 JUL 1982 | 0102 | 40°31.4'N | 67°42.9'W | 315 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 298 | 300.1 | 8.775 | 35.215 | 4.37 | 0.26 | 27.323 | 0.431 | 1491. | 1.6 |
| 299 | 301.3 | 8.741 | 35.213 | 4.39 | 0.25 | 27.327 | 0.432 | 1490. | 1.7 |
| 299 | 301.9 | 8.740 | 35.214 | 4.42 | 0.25 | 27.328 | 0.432 | 1490. | 1.9 |
| 300 | 303.0 | 8.726 | 35.212 | 4.39 | 0.26 | 27.328 | 0.433 | 1490. | 2.1 |
| 301 | 304.0 | 8.704 | 35.211 | 4.36 | 0.27 | 27.331 | 0.434 | 1490. | 2.0 |
| 302 | 305.0 | 8.710 | 35.212 | 4.35 | 0.27 | 27.331 | 0.435 | 1490. | 1.7 |
| 303 | 306.0 | 8.702 | 35.211 | 4.35 | 0.27 | 27.332 | 0.436 | 1490. | 1.8 |
| 304 | 307.0 | 8.686 | 35.210 | 4.36 | 0.26 | 27.333 | 0.436 | 1490. | 1.8 |
| 305 | 308.0 | 8.689 | 35.211 | 4.39 | 0.25 | 27.333 | 0.437 | 1490. | 2.0 |
| 306 | 308.9 | 8.687 | 35.210 | 4.41 | 0.25 | 27.333 | 0.438 | 1490. | 2.0 |
| 307 | 310.0 | 8.658 | 35.209 | 4.40 | 0.26 | 27.337 | 0.439 | 1490. | 2.0 |
| 308 | 311.0 | 8.622 | 35.202 | 4.41 | 0.26 | 27.337 | 0.440 | 1490. | 2.0 |
| 309 | 312.1 | 8.614 | 35.206 | 4.39 | 0.26 | 27.341 | 0.441 | 1490. | 2.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 31 | 13 JUL 1982 | 0135 | 40°31.7'N | 67°42.3'W | 145 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 22.519 | 35.270 | 4.80 | 0.21 | 24.278 | 0.000 | 1529. | 9.1 |
| 2 | 2.0 | 22.517 | 35.270 | 4.80 | 0.21 | 24.278 | 0.004 | 1529. | 9.1 |
| 4 | 3.8 | 22.497 | 35.267 | 4.81 | 0.21 | 24.282 | 0.011 | 1529. | 9.1 |
| 6 | 6.1 | 21.634 | 35.208 | 4.93 | 0.21 | 24.479 | 0.019 | 1526. | 9.1 |
| 8 | 7.9 | 21.469 | 35.244 | 4.93 | 0.22 | 24.553 | 0.025 | 1526. | 9.1 |
| 10 | 10.0 | 21.454 | 35.248 | 4.99 | 0.22 | 24.560 | 0.032 | 1526. | 9.8 |
| 12 | 12.1 | 21.424 | 35.245 | 4.97 | 0.22 | 24.566 | 0.039 | 1526. | 10.4 |
| 14 | 14.0 | 21.358 | 35.229 | 4.92 | 0.22 | 24.572 | 0.046 | 1526. | 10.7 |
| 16 | 15.9 | 21.010 | 35.228 | 4.98 | 0.22 | 24.666 | 0.052 | 1525. | 11.7 |
| 18 | 18.0 | 20.835 | 35.413 | 5.01 | 0.21 | 24.855 | 0.059 | 1525. | 12.4 |
| 20 | 20.0 | 20.686 | 35.506 | 5.08 | 0.21 | 24.966 | 0.065 | 1524. | 12.9 |
| 22 | 22.0 | 20.154 | 35.468 | 5.17 | 0.22 | 25.079 | 0.071 | 1523. | 12.7 |
| 24 | 24.0 | 19.566 | 35.401 | 5.24 | 0.22 | 25.183 | 0.076 | 1521. | 11.9 |
| 26 | 26.0 | 18.997 | 35.281 | 5.36 | 0.22 | 25.238 | 0.082 | 1519. | 10.8 |
| 28 | 27.9 | 18.745 | 35.301 | 5.39 | 0.22 | 25.317 | 0.087 | 1519. | 10.1 |
| 30 | 30.0 | 18.645 | 35.321 | 5.37 | 0.23 | 25.358 | 0.093 | 1519. | 9.5 |
| 32 | 32.0 | 18.540 | 35.358 | 5.40 | 0.24 | 25.412 | 0.098 | 1518. | 8.9 |
| 34 | 34.0 | 18.376 | 35.359 | 5.43 | 0.26 | 25.455 | 0.103 | 1518. | 8.6 |
| 36 | 36.0 | 18.149 | 35.355 | 5.42 | 0.27 | 25.508 | 0.108 | 1517. | 8.3 |
| 38 | 38.0 | 18.002 | 35.384 | 5.41 | 0.27 | 25.567 | 0.113 | 1517. | 8.0 |
| 40 | 40.0 | 18.013 | 35.400 | 5.35 | 0.27 | 25.576 | 0.118 | 1517. | 8.2 |
| 42 | 42.0 | 17.342 | 35.244 | 5.42 | 0.26 | 25.620 | 0.122 | 1515. | 9.1 |
| 44 | 44.1 | 16.942 | 35.172 | 5.42 | 0.23 | 25.661 | 0.127 | 1514. | 9.9 |
| 46 | 46.0 | 16.754 | 35.144 | 5.44 | 0.22 | 25.684 | 0.132 | 1513. | 10.7 |
| 47 | 47.8 | 16.131 | 35.088 | 5.49 | 0.20 | 25.786 | 0.136 | 1511. | 11.3 |
| 50 | 50.1 | 15.491 | 35.106 | 5.46 | 0.18 | 25.945 | 0.141 | 1509. | 11.4 |
| 51 | 51.8 | 15.186 | 35.116 | 5.40 | 0.16 | 26.021 | 0.144 | 1508. | 11.0 |
| 54 | 54.1 | 14.689 | 35.097 | 5.31 | 0.15 | 26.115 | 0.148 | 1507. | 10.5 |
| 55 | 55.9 | 14.440 | 35.096 | 5.22 | 0.15 | 26.169 | 0.152 | 1506. | 9.4 |
| 58 | 58.1 | 14.475 | 35.128 | 5.05 | 0.15 | 26.186 | 0.156 | 1506. | 8.1 |
| 60 | 60.0 | 14.253 | 35.087 | 5.09 | 0.14 | 26.202 | 0.159 | 1505. | 7.2 |
| 61 | 61.9 | 14.082 | 35.103 | 5.04 | 0.14 | 26.250 | 0.163 | 1505. | 6.4 |
| 64 | 64.0 | 13.986 | 35.115 | 5.02 | 0.14 | 26.280 | 0.167 | 1505. | 6.0 |
| 65 | 66.0 | 13.953 | 35.125 | 4.97 | 0.13 | 26.294 | 0.170 | 1505. | 5.7 |
| 68 | 68.1 | 13.952 | 35.140 | 4.91 | 0.13 | 26.306 | 0.174 | 1505. | 5.2 |
| 69 | 70.0 | 13.782 | 35.119 | 4.90 | 0.14 | 26.326 | 0.177 | 1504. | 4.6 |
| 71 | 72.0 | 13.699 | 35.117 | 4.90 | 0.14 | 26.342 | 0.180 | 1504. | 4.2 |
| 73 | 74.0 | 13.691 | 35.120 | 4.87 | 0.14 | 26.345 | 0.184 | 1504. | 4.2 |
| 75 | 76.0 | 13.670 | 35.119 | 4.83 | 0.14 | 26.349 | 0.187 | 1504. | 4.2 |
| 77 | 78.0 | 13.611 | 35.118 | 4.82 | 0.14 | 26.360 | 0.190 | 1504. | 4.3 |
| 79 | 80.0 | 13.557 | 35.118 | 4.81 | 0.14 | 26.371 | 0.194 | 1503. | 4.6 |
| 81 | 82.1 | 13.482 | 35.120 | 4.79 | 0.14 | 26.389 | 0.197 | 1503. | 5.0 |
| 83 | 83.8 | 13.450 | 35.132 | 4.77 | 0.14 | 26.405 | 0.200 | 1503. | 5.3 |
| 85 | 86.1 | 13.496 | 35.176 | 4.69 | 0.14 | 26.429 | 0.204 | 1503. | 5.6 |
| 87 | 87.9 | 13.474 | 35.185 | 4.72 | 0.14 | 26.440 | 0.207 | 1503. | 5.9 |
| 89 | 90.0 | 13.370 | 35.189 | 4.68 | 0.14 | 26.465 | 0.210 | 1503. | 6.0 |
| 91 | 92.0 | 13.267 | 35.194 | 4.66 | 0.14 | 26.489 | 0.213 | 1503. | 6.1 |
| 93 | 94.0 | 13.176 | 35.203 | 4.66 | 0.14 | 26.515 | 0.216 | 1503. | 6.4 |
| 95 | 96.0 | 13.039 | 35.210 | 4.61 | 0.14 | 26.548 | 0.219 | 1502. | 6.9 |
| 97 | 97.9 | 12.990 | 35.213 | 4.58 | 0.13 | 26.560 | 0.222 | 1502. | 7.5 |
| 99 | 100.2 | 12.866 | 35.220 | 4.55 | 0.13 | 26.591 | 0.226 | 1502. | 8.2 |
| 101 | 101.8 | 12.803 | 35.268 | 4.56 | 0.13 | 26.641 | 0.228 | 1502. | 8.6 |
| 103 | 104.0 | 12.886 | 35.360 | 4.43 | 0.13 | 26.696 | 0.231 | 1502. | 8.6 |
| 105 | 106.1 | 12.949 | 35.478 | 4.42 | 0.11 | 26.774 | 0.234 | 1502. | 8.3 |
| 107 | 108.0 | 12.645 | 35.485 | 4.44 | 0.10 | 26.840 | 0.236 | 1501. | 7.7 |
| 109 | 110.0 | 12.568 | 35.486 | 4.36 | 0.11 | 26.857 | 0.238 | 1501. | 6.9 |
| 111 | 112.0 | 12.549 | 35.487 | 4.28 | 0.11 | 26.861 | 0.241 | 1501. | 5.9 |
| 113 | 114.0 | 12.500 | 35.485 | 4.26 | 0.11 | 26.869 | 0.243 | 1501. | 4.7 |
| 115 | 116.0 | 12.406 | 35.476 | 4.30 | 0.11 | 26.881 | 0.246 | 1501. | 3.7 |
| 117 | 118.0 | 12.310 | 35.475 | 4.24 | 0.11 | 26.898 | 0.248 | 1500. | 3.4 |
| 119 | 120.1 | 12.293 | 35.477 | 4.23 | 0.11 | 26.903 | 0.251 | 1500. | 3.1 |
| 121 | 121.9 | 12.293 | 35.478 | 4.26 | 0.11 | 26.904 | 0.253 | 1500. | 2.8 |
| 123 | 124.1 | 12.288 | 35.478 | 4.23 | 0.11 | 26.905 | 0.255 | 1500. | 2.5 |
| 125 | 125.9 | 12.268 | 35.476 | 4.26 | 0.11 | 26.908 | 0.257 | 1500. | 2.3 |
| 127 | 128.1 | 12.252 | 35.474 | 4.21 | 0.11 | 26.909 | 0.260 | 1500. | 2.4 |
| 129 | 129.9 | 12.210 | 35.470 | 4.23 | 0.11 | 26.915 | 0.262 | 1500. | 2.7 |
| 130 | 131.2 | 12.155 | 35.468 | 4.21 | 0.11 | 26.923 | 0.264 | 1500. | 3.0 |
| 131 | 132.0 | 12.166 | 35.469 | 4.21 | 0.11 | 26.922 | 0.264 | 1500. | 3.2 |
| 132 | 133.0 | 12.116 | 35.462 | 4.24 | 0.12 | 26.926 | 0.266 | 1500. | 3.2 |
| 133 | 134.0 | 12.113 | 35.468 | 4.23 | 0.11 | 26.932 | 0.267 | 1500. | 3.1 |
| 134 | 135.0 | 12.078 | 35.461 | 4.21 | 0.11 | 26.933 | 0.268 | 1500. | 2.8 |
| 135 | 136.0 | 12.059 | 35.461 | 4.20 | 0.11 | 26.936 | 0.269 | 1500. | 2.5 |
| 136 | 137.1 | 12.051 | 35.460 | 4.20 | 0.12 | 26.937 | 0.270 | 1500. | 2.3 |
| 137 | 137.9 | 12.043 | 35.460 | 4.21 | 0.12 | 26.938 | 0.271 | 1500. | 2.2 |
| 138 | 139.0 | 12.045 | 35.460 | 4.14 | 0.12 | 26.939 | 0.272 | 1500. | 2.1 |
| 139 | 140.1 | 12.031 | 35.455 | 4.13 | 0.12 | 26.937 | 0.274 | 1500. | 2.1 |
| 140 | 141.0 | 12.019 | 35.461 | 4.18 | 0.12 | 26.944 | 0.275 | 1500. | 2.1 |
| 141 | 142.1 | 12.016 | 35.462 | 4.08 | 0.12 | 26.945 | 0.276 | 1500. | 2.1 |
| 142 | 142.9 | 12.028 | 35.462 | 4.06 | 0.12 | 26.944 | 0.277 | 1500. | 2.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 32 | 13 JUL 1982 | 0154 | 40°31.9'N | 67°41.8'W | 129 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 22.375 | 35.263 | 4.92 | 0.21 | 24.313 | 0.000 | 1528. | 11.8 |
| 2 | 2.1 | 22.399 | 35.267 | 4.93 | 0.21 | 24.309 | 0.004 | 1528. | 11.8 |
| 4 | 4.0 | 22.074 | 35.235 | 4.98 | 0.21 | 24.377 | 0.011 | 1527. | 11.8 |
| 6 | 5.9 | 21.648 | 35.252 | 5.00 | 0.21 | 24.509 | 0.018 | 1526. | 11.8 |
| 8 | 8.1 | 21.548 | 35.236 | 5.14 | 0.21 | 24.524 | 0.025 | 1526. | 11.8 |
| 10 | 10.0 | 21.373 | 35.204 | 5.13 | 0.21 | 24.549 | 0.031 | 1526. | 12.5 |
| 12 | 12.0 | 20.961 | 35.280 | 5.21 | 0.21 | 24.719 | 0.038 | 1525. | 12.7 |
| 14 | 14.0 | 20.801 | 35.417 | 5.25 | 0.21 | 24.866 | 0.044 | 1524. | 12.8 |
| 16 | 16.0 | 20.654 | 35.520 | 5.28 | 0.22 | 24.985 | 0.050 | 1524. | 12.9 |
| 18 | 18.0 | 19.959 | 35.431 | 5.37 | 0.22 | 25.103 | 0.056 | 1522. | 12.3 |
| 20 | 19.9 | 19.335 | 35.293 | 5.43 | 0.22 | 25.160 | 0.062 | 1520. | 11.1 |
| 22 | 22.0 | 18.939 | 35.275 | 5.40 | 0.21 | 25.248 | 0.067 | 1519. | 10.1 |
| 24 | 24.1 | 18.963 | 35.345 | 5.41 | 0.23 | 25.295 | 0.073 | 1519. | 9.4 |
| 26 | 25.9 | 18.947 | 35.360 | 5.44 | 0.23 | 25.311 | 0.078 | 1519. | 9.1 |
| 28 | 28.0 | 18.658 | 35.334 | 5.49 | 0.23 | 25.365 | 0.083 | 1519. | 8.9 |
| 30 | 30.0 | 18.375 | 35.304 | 5.54 | 0.24 | 25.413 | 0.089 | 1518. | 8.5 |
| 32 | 31.9 | 17.990 | 35.263 | 5.54 | 0.24 | 25.477 | 0.093 | 1517. | 8.1 |
| 34 | 34.0 | 17.841 | 35.301 | 5.55 | 0.26 | 25.543 | 0.098 | 1516. | 7.7 |
| 36 | 36.0 | 17.529 | 35.243 | 5.60 | 0.26 | 25.575 | 0.103 | 1515. | 7.5 |
| 38 | 38.0 | 17.484 | 35.238 | 5.53 | 0.25 | 25.582 | 0.108 | 1515. | 8.1 |
| 40 | 40.0 | 17.423 | 35.218 | 5.45 | 0.25 | 25.581 | 0.113 | 1515. | 9.1 |
| 42 | 42.0 | 17.037 | 35.145 | 5.50 | 0.24 | 25.606 | 0.118 | 1514. | 10.2 |
| 44 | 44.0 | 16.620 | 35.117 | 5.55 | 0.23 | 25.695 | 0.123 | 1513. | 11.3 |
| 46 | 46.0 | 15.895 | 35.095 | 5.58 | 0.21 | 25.846 | 0.127 | 1510. | 11.9 |
| 48 | 48.0 | 15.319 | 35.099 | 5.55 | 0.18 | 25.978 | 0.131 | 1509. | 12.0 |
| 50 | 50.0 | 14.930 | 35.091 | 5.52 | 0.16 | 26.059 | 0.135 | 1507. | 11.5 |
| 52 | 52.0 | 14.523 | 35.106 | 5.36 | 0.15 | 26.158 | 0.139 | 1506. | 10.3 |
| 54 | 53.9 | 14.412 | 35.122 | 5.21 | 0.14 | 26.195 | 0.143 | 1506. | 8.8 |
| 56 | 56.0 | 14.255 | 35.118 | 5.12 | 0.14 | 26.225 | 0.146 | 1505. | 7.4 |
| 58 | 58.1 | 14.193 | 35.118 | 5.11 | 0.14 | 26.238 | 0.150 | 1505. | 6.3 |
| 60 | 60.0 | 14.139 | 35.119 | 5.03 | 0.14 | 26.250 | 0.153 | 1505. | 5.2 |
| 61 | 62.0 | 14.081 | 35.120 | 5.00 | 0.14 | 26.263 | 0.157 | 1505. | 4.8 |
| 63 | 63.9 | 13.982 | 35.119 | 5.03 | 0.14 | 26.283 | 0.160 | 1505. | 4.5 |
| 65 | 66.0 | 13.955 | 35.124 | 5.03 | 0.14 | 26.293 | 0.164 | 1505. | 4.4 |
| 67 | 68.0 | 13.939 | 35.137 | 5.02 | 0.13 | 26.306 | 0.167 | 1505. | 4.4 |
| 69 | 69.9 | 13.949 | 35.147 | 4.96 | 0.13 | 26.312 | 0.171 | 1505. | 4.7 |
| 71 | 72.0 | 13.898 | 35.151 | 4.91 | 0.13 | 26.326 | 0.174 | 1505. | 4.9 |
| 73 | 74.0 | 13.772 | 35.128 | 4.93 | 0.14 | 26.335 | 0.178 | 1504. | 5.0 |
| 75 | 76.0 | 13.697 | 35.136 | 4.91 | 0.14 | 26.356 | 0.181 | 1504. | 5.0 |
| 77 | 78.0 | 13.697 | 35.186 | 4.87 | 0.13 | 26.395 | 0.184 | 1504. | 5.1 |
| 79 | 79.9 | 13.726 | 35.205 | 4.78 | 0.13 | 26.403 | 0.188 | 1504. | 5.0 |
| 81 | 82.0 | 13.666 | 35.193 | 4.77 | 0.13 | 26.407 | 0.191 | 1504. | 5.1 |
| 83 | 84.0 | 13.545 | 35.176 | 4.80 | 0.13 | 26.418 | 0.194 | 1504. | 5.3 |
| 85 | 86.0 | 13.551 | 35.202 | 4.75 | 0.13 | 26.438 | 0.197 | 1504. | 5.8 |
| 87 | 88.0 | 13.423 | 35.184 | 4.70 | 0.13 | 26.450 | 0.201 | 1503. | 6.3 |
| 89 | 90.1 | 13.269 | 35.184 | 4.73 | 0.14 | 26.481 | 0.204 | 1503. | 6.7 |
| 91 | 91.9 | 13.120 | 35.202 | 4.73 | 0.14 | 26.526 | 0.207 | 1502. | 6.9 |
| 93 | 94.0 | 12.941 | 35.225 | 4.68 | 0.14 | 26.580 | 0.210 | 1502. | 7.1 |
| 95 | 96.1 | 12.899 | 35.227 | 4.62 | 0.14 | 26.590 | 0.213 | 1502. | 7.3 |
| 97 | 97.9 | 12.824 | 35.232 | 4.63 | 0.14 | 26.609 | 0.215 | 1501. | 7.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 32 | 13 JUL 1982 | 0154 | 40°31.9'N | 67°41.8'W | 129 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 12.742 | 35.251 | 4.58 | 0.13 | 26.640 | 0.218 | 1501. | 7.0 |
| 101 | 102.1 | 12.769 | 35.321 | 4.50 | 0.13 | 26.689 | 0.221 | 1501. | 6.8 |
| 103 | 103.9 | 12.863 | 35.406 | 4.50 | 0.12 | 26.735 | 0.224 | 1502. | 6.9 |
| 105 | 106.0 | 12.883 | 35.424 | 4.46 | 0.11 | 26.746 | 0.227 | 1502. | 6.8 |
| 107 | 108.0 | 12.885 | 35.454 | 4.43 | 0.11 | 26.768 | 0.229 | 1502. | 6.6 |
| 109 | 110.0 | 12.831 | 35.472 | 4.44 | 0.11 | 26.793 | 0.232 | 1502. | 6.3 |
| 110 | 111.3 | 12.740 | 35.470 | 4.44 | 0.11 | 26.810 | 0.233 | 1502. | 6.3 |
| 111 | 112.0 | 12.707 | 35.472 | 4.43 | 0.11 | 26.818 | 0.234 | 1502. | 6.7 |
| 112 | 113.0 | 12.643 | 35.474 | 4.43 | 0.11 | 26.832 | 0.236 | 1501. | 6.7 |
| 113 | 114.0 | 12.555 | 35.478 | 4.43 | 0.11 | 26.853 | 0.237 | 1501. | 6.5 |
| 114 | 115.0 | 12.463 | 35.480 | 4.43 | 0.11 | 26.872 | 0.238 | 1501. | 6.1 |
| 115 | 116.0 | 12.403 | 35.478 | 4.41 | 0.11 | 26.883 | 0.239 | 1501. | 5.6 |
| 116 | 117.0 | 12.386 | 35.478 | 4.38 | 0.11 | 26.886 | 0.240 | 1501. | 4.9 |
| 117 | 118.0 | 12.337 | 35.473 | 4.33 | 0.11 | 26.892 | 0.242 | 1500. | 4.3 |
| 118 | 119.0 | 12.338 | 35.475 | 4.31 | 0.12 | 26.893 | 0.243 | 1500. | 3.9 |
| 119 | 120.0 | 12.327 | 35.478 | 4.30 | 0.11 | 26.897 | 0.244 | 1500. | 3.8 |
| 120 | 121.0 | 12.297 | 35.476 | 4.32 | 0.11 | 26.902 | 0.245 | 1500. | 3.7 |
| 121 | 121.9 | 12.249 | 35.475 | 4.32 | 0.11 | 26.910 | 0.246 | 1500. | 3.7 |
| 122 | 123.0 | 12.226 | 35.474 | 4.31 | 0.11 | 26.914 | 0.247 | 1500. | 3.7 |
| 123 | 124.0 | 12.202 | 35.472 | 4.28 | 0.11 | 26.917 | 0.249 | 1500. | 3.7 |
| 124 | 124.7 | 12.173 | 35.464 | 4.27 | 0.11 | 26.916 | 0.250 | 1500. | 3.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 33 | 13 JUL 1982 | 0214 | 40°32.6'N | 67°40.9'W | 125 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.7 | 22.266 | 35.212 | 4.90 | 0.22 | 24.306 | 0.000 | 1528. | 10.2 |
| 2 | 1.9 | 22.191 | 35.229 | 4.87 | 0.21 | 24.340 | 0.004 | 1528. | 10.2 |
| 4 | 4.0 | 22.192 | 35.234 | 4.82 | 0.21 | 24.343 | 0.012 | 1528. | 10.2 |
| 6 | 6.0 | 22.170 | 35.228 | 4.88 | 0.21 | 24.345 | 0.019 | 1528. | 10.2 |
| 8 | 7.9 | 22.100 | 35.210 | 4.94 | 0.21 | 24.350 | 0.026 | 1527. | 10.2 |
| 10 | 10.0 | 21.707 | 35.118 | 5.02 | 0.21 | 24.390 | 0.033 | 1526. | 11.6 |
| 12 | 12.0 | 21.002 | 35.126 | 5.15 | 0.20 | 24.591 | 0.040 | 1525. | 12.8 |
| 14 | 14.0 | 20.899 | 35.228 | 5.17 | 0.20 | 24.696 | 0.047 | 1524. | 13.4 |
| 16 | 16.0 | 20.862 | 35.435 | 5.18 | 0.21 | 24.864 | 0.053 | 1525. | 13.5 |
| 18 | 18.0 | 20.400 | 35.450 | 5.24 | 0.21 | 25.000 | 0.059 | 1523. | 13.1 |
| 20 | 20.0 | 19.865 | 35.360 | 5.32 | 0.21 | 25.073 | 0.065 | 1522. | 12.2 |
| 22 | 22.0 | 19.450 | 35.293 | 5.41 | 0.21 | 25.131 | 0.071 | 1521. | 11.8 |
| 24 | 24.0 | 19.131 | 35.280 | 5.43 | 0.20 | 25.202 | 0.076 | 1520. | 11.2 |
| 26 | 26.0 | 18.691 | 35.241 | 5.50 | 0.20 | 25.285 | 0.082 | 1518. | 11.1 |
| 28 | 28.0 | 18.263 | 35.213 | 5.36 | 0.21 | 25.371 | 0.087 | 1517. | 11.1 |
| 30 | 30.0 | 17.860 | 35.193 | 5.61 | 0.22 | 25.455 | 0.092 | 1516. | 11.0 |
| 32 | 32.0 | 17.226 | 35.093 | 5.70 | 0.22 | 25.533 | 0.097 | 1514. | 10.7 |
| 34 | 34.0 | 16.371 | 34.931 | 5.77 | 0.21 | 25.610 | 0.102 | 1511. | 10.6 |
| 36 | 36.0 | 15.802 | 34.844 | 5.74 | 0.20 | 25.673 | 0.106 | 1510. | 10.8 |
| 38 | 38.0 | 15.334 | 34.762 | 5.82 | 0.19 | 25.716 | 0.111 | 1508. | 10.8 |
| 40 | 40.0 | 15.017 | 34.742 | 5.85 | 0.19 | 25.770 | 0.116 | 1507. | 10.7 |
| 42 | 41.9 | 15.719 | 35.085 | 5.65 | 0.18 | 25.878 | 0.120 | 1510. | 10.5 |
| 44 | 44.0 | 15.480 | 35.175 | 5.62 | 0.17 | 26.001 | 0.124 | 1509. | 10.4 |
| 46 | 46.1 | 15.162 | 35.154 | 5.52 | 0.16 | 26.056 | 0.128 | 1508. | 10.1 |
| 48 | 47.9 | 14.987 | 35.139 | 5.38 | 0.15 | 26.082 | 0.132 | 1508. | 9.5 |
| 50 | 50.1 | 14.580 | 35.074 | 5.30 | 0.15 | 26.122 | 0.136 | 1506. | 8.5 |
| 52 | 51.9 | 14.174 | 35.055 | 5.28 | 0.15 | 26.194 | 0.139 | 1505. | 7.4 |
| 54 | 54.0 | 13.969 | 35.036 | 5.20 | 0.14 | 26.222 | 0.143 | 1504. | 6.7 |
| 56 | 56.0 | 13.868 | 35.047 | 5.13 | 0.14 | 26.252 | 0.147 | 1504. | 5.9 |
| 58 | 58.0 | 13.808 | 35.040 | 5.10 | 0.14 | 26.259 | 0.150 | 1504. | 5.1 |
| 60 | 60.1 | 13.808 | 35.042 | 5.06 | 0.14 | 26.260 | 0.154 | 1504. | 4.5 |
| 62 | 62.0 | 13.764 | 35.021 | 5.07 | 0.14 | 26.261 | 0.157 | 1504. | 4.6 |
| 64 | 64.0 | 13.691 | 35.016 | 5.07 | 0.14 | 26.265 | 0.161 | 1504. | 4.8 |
| 65 | 66.0 | 13.543 | 35.012 | 5.09 | 0.14 | 26.292 | 0.164 | 1503. | 5.2 |
| 67 | 68.0 | 13.413 | 35.025 | 5.07 | 0.14 | 26.329 | 0.168 | 1503. | 5.4 |
| 69 | 70.0 | 13.347 | 35.030 | 5.02 | 0.15 | 26.347 | 0.171 | 1503. | 5.4 |
| 71 | 72.0 | 13.368 | 35.056 | 4.96 | 0.15 | 26.363 | 0.174 | 1503. | 5.1 |
| 73 | 74.1 | 13.356 | 35.075 | 4.93 | 0.15 | 26.379 | 0.178 | 1503. | 4.7 |
| 75 | 75.9 | 13.322 | 35.075 | 4.90 | 0.15 | 26.387 | 0.181 | 1503. | 4.4 |
| 77 | 78.0 | 13.344 | 35.087 | 4.86 | 0.15 | 26.391 | 0.184 | 1503. | 4.5 |
| 79 | 80.0 | 13.291 | 35.084 | 4.84 | 0.15 | 26.399 | 0.188 | 1503. | 4.9 |
| 81 | 82.0 | 13.230 | 35.089 | 4.85 | 0.15 | 26.416 | 0.191 | 1502. | 5.5 |
| 83 | 84.0 | 13.316 | 35.145 | 4.79 | 0.15 | 26.442 | 0.194 | 1503. | 6.2 |
| 85 | 86.0 | 13.284 | 35.161 | 4.78 | 0.15 | 26.461 | 0.197 | 1503. | 6.7 |
| 87 | 88.0 | 13.154 | 35.167 | 4.76 | 0.15 | 26.492 | 0.200 | 1502. | 7.1 |
| 89 | 90.0 | 13.090 | 35.215 | 4.73 | 0.15 | 26.542 | 0.204 | 1502. | 7.2 |
| 91 | 92.1 | 13.017 | 35.239 | 4.69 | 0.14 | 26.576 | 0.207 | 1502. | 7.2 |
| 93 | 94.0 | 12.913 | 35.255 | 4.61 | 0.14 | 26.609 | 0.209 | 1502. | 7.1 |
| 95 | 95.9 | 12.841 | 35.275 | 4.58 | 0.14 | 26.639 | 0.212 | 1502. | 6.8 |
| 97 | 98.1 | 12.687 | 35.276 | 4.57 | 0.14 | 26.670 | 0.215 | 1501. | 6.3 |
| 99 | 99.9 | 12.626 | 35.282 | 4.53 | 0.14 | 26.687 | 0.218 | 1501. | 5.9 |
| 101 | 102.1 | 12.565 | 35.303 | 4.52 | 0.14 | 26.715 | 0.221 | 1501. | 5.4 |
| 103 | 104.0 | 12.545 | 35.316 | 4.50 | 0.14 | 26.729 | 0.223 | 1501. | 4.8 |
| 105 | 106.0 | 12.526 | 35.325 | 4.46 | 0.15 | 26.740 | 0.226 | 1501. | 4.3 |
| 107 | 108.0 | 12.508 | 35.333 | 4.41 | 0.14 | 26.750 | 0.229 | 1501. | 3.8 |
| 109 | 110.0 | 12.507 | 35.334 | 4.40 | 0.14 | 26.750 | 0.231 | 1501. | 3.2 |
| 110 | 111.3 | 12.502 | 35.336 | 4.43 | 0.14 | 26.753 | 0.233 | 1501. | 2.8 |
| 111 | 112.0 | 12.501 | 35.337 | 4.45 | 0.15 | 26.754 | 0.234 | 1501. | 2.7 |
| 112 | 113.0 | 12.500 | 35.338 | 4.42 | 0.14 | 26.755 | 0.235 | 1501. | 3.0 |
| 113 | 114.0 | 12.494 | 35.341 | 4.42 | 0.14 | 26.758 | 0.236 | 1501. | 3.5 |
| 114 | 115.0 | 12.492 | 35.341 | 4.41 | 0.14 | 26.759 | 0.238 | 1501. | 3.6 |
| 115 | 116.0 | 12.471 | 35.349 | 4.42 | 0.14 | 26.769 | 0.239 | 1501. | 3.7 |
| 116 | 117.0 | 12.455 | 35.355 | 4.42 | 0.14 | 26.777 | 0.240 | 1501. | 3.7 |
| 117 | 118.0 | 12.450 | 35.357 | 4.41 | 0.14 | 26.780 | 0.242 | 1501. | 3.4 |
| 118 | 119.0 | 12.449 | 35.358 | 4.42 | 0.14 | 26.781 | 0.243 | 1501. | 3.0 |
| 119 | 120.0 | 12.437 | 35.360 | 4.42 | 0.14 | 26.785 | 0.244 | 1501. | 3.0 |
| 120 | 121.1 | 12.430 | 35.361 | 4.38 | 0.15 | 26.787 | 0.246 | 1501. | 3.0 |
| 121 | 122.0 | 12.431 | 35.358 | 4.37 | 0.15 | 26.784 | 0.247 | 1501. | 3.0 |
| 122 | 122.6 | 12.427 | 35.356 | 4.35 | 0.16 | 26.783 | 0.248 | 1501. | 3.0 |

SHIP CRUISE STATION DATE EST LATITUDE LONGITUDE DEPTH
OC 122 33 13 JUL 1982 0214 40°32.6'N 67°40.9'W 125

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 34 | 13 JUL 1982 | 0244 | 40°31.8'N | 67°43.3'W | 217 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.9 | 22.681 | 35.269 | 4.66 | 0.24 | 24.231 | 0.000 | 1529. | 10.3 |
| 2 | 1.9 | 22.642 | 35.276 | 4.82 | 0.21 | 24.247 | 0.004 | 1529. | 10.3 |
| 4 | 4.0 | 22.612 | 35.270 | 4.91 | 0.20 | 24.251 | 0.012 | 1529. | 10.3 |
| 6 | 5.9 | 21.771 | 35.215 | 5.03 | 0.21 | 24.446 | 0.018 | 1527. | 10.3 |
| 8 | 8.0 | 21.497 | 35.326 | 5.02 | 0.21 | 24.607 | 0.025 | 1526. | 10.3 |
| 10 | 10.0 | 21.489 | 35.349 | 5.04 | 0.22 | 24.627 | 0.032 | 1526. | 9.9 |
| 12 | 11.9 | 21.461 | 35.355 | 5.06 | 0.22 | 24.639 | 0.038 | 1526. | 9.8 |
| 14 | 14.0 | 21.420 | 35.348 | 5.13 | 0.22 | 24.645 | 0.045 | 1526. | 9.5 |
| 16 | 16.1 | 21.320 | 35.351 | 5.20 | 0.22 | 24.675 | 0.052 | 1526. | 10.0 |
| 18 | 18.0 | 21.089 | 35.381 | 5.24 | 0.22 | 24.761 | 0.058 | 1525. | 11.2 |
| 20 | 20.0 | 20.774 | 35.430 | 5.25 | 0.21 | 24.884 | 0.064 | 1524. | 12.2 |
| 22 | 22.1 | 20.488 | 35.503 | 5.30 | 0.21 | 25.017 | 0.071 | 1524. | 12.7 |
| 24 | 24.0 | 20.079 | 35.498 | 5.35 | 0.22 | 25.122 | 0.076 | 1523. | 12.8 |
| 26 | 26.0 | 19.488 | 35.430 | 5.45 | 0.24 | 25.225 | 0.082 | 1521. | 12.1 |
| 28 | 27.9 | 19.143 | 35.436 | 5.44 | 0.24 | 25.319 | 0.087 | 1520. | 11.1 |
| 30 | 30.1 | 18.940 | 35.486 | 5.47 | 0.27 | 25.409 | 0.093 | 1520. | 10.6 |
| 32 | 31.9 | 18.869 | 35.522 | 5.47 | 0.29 | 25.455 | 0.097 | 1519. | 10.2 |
| 34 | 34.1 | 18.865 | 35.547 | 5.42 | 0.29 | 25.475 | 0.103 | 1519. | 9.6 |
| 36 | 35.9 | 18.795 | 35.551 | 5.43 | 0.29 | 25.496 | 0.107 | 1519. | 8.9 |
| 38 | 38.1 | 18.091 | 35.506 | 5.51 | 0.28 | 25.638 | 0.113 | 1517. | 8.3 |
| 40 | 40.0 | 17.719 | 35.447 | 5.47 | 0.26 | 25.685 | 0.117 | 1516. | 8.5 |
| 42 | 42.0 | 17.569 | 35.413 | 5.38 | 0.25 | 25.695 | 0.122 | 1516. | 8.9 |
| 44 | 44.1 | 17.315 | 35.344 | 5.39 | 0.24 | 25.704 | 0.126 | 1515. | 9.2 |
| 46 | 46.0 | 16.874 | 35.224 | 5.43 | 0.23 | 25.717 | 0.131 | 1513. | 9.2 |
| 48 | 47.9 | 16.051 | 35.132 | 5.51 | 0.20 | 25.838 | 0.135 | 1511. | 9.8 |
| 50 | 50.1 | 15.766 | 35.159 | 5.46 | 0.18 | 25.924 | 0.140 | 1510. | 10.2 |
| 52 | 52.0 | 15.412 | 35.142 | 5.42 | 0.16 | 25.991 | 0.144 | 1509. | 10.4 |
| 54 | 54.0 | 15.108 | 35.145 | 5.32 | 0.16 | 26.061 | 0.148 | 1508. | 9.9 |
| 56 | 56.0 | 14.831 | 35.137 | 5.26 | 0.15 | 26.115 | 0.151 | 1507. | 9.1 |
| 58 | 58.0 | 14.565 | 35.130 | 5.21 | 0.16 | 26.168 | 0.155 | 1506. | 8.5 |
| 60 | 60.0 | 14.335 | 35.115 | 5.13 | 0.15 | 26.206 | 0.159 | 1506. | 7.9 |
| 61 | 62.0 | 14.237 | 35.112 | 5.08 | 0.14 | 26.224 | 0.162 | 1505. | 7.3 |
| 63 | 63.9 | 14.017 | 35.094 | 5.06 | 0.14 | 26.257 | 0.166 | 1505. | 6.6 |
| 66 | 66.1 | 13.868 | 35.114 | 5.01 | 0.14 | 26.304 | 0.170 | 1504. | 6.1 |
| 67 | 67.9 | 13.776 | 35.106 | 5.02 | 0.14 | 26.317 | 0.173 | 1504. | 5.6 |
| 69 | 70.0 | 13.693 | 35.097 | 4.92 | 0.14 | 26.327 | 0.176 | 1504. | 5.1 |
| 71 | 72.0 | 13.618 | 35.089 | 4.90 | 0.14 | 26.337 | 0.180 | 1504. | 4.5 |
| 73 | 73.9 | 13.597 | 35.100 | 4.93 | 0.14 | 26.349 | 0.183 | 1503. | 4.2 |
| 75 | 76.0 | 13.579 | 35.107 | 4.87 | 0.14 | 26.358 | 0.186 | 1503. | 4.3 |
| 77 | 78.0 | 13.569 | 35.115 | 4.83 | 0.14 | 26.366 | 0.190 | 1503. | 4.5 |
| 79 | 80.0 | 13.507 | 35.107 | 4.89 | 0.14 | 26.373 | 0.193 | 1503. | 5.0 |
| 81 | 81.9 | 13.450 | 35.126 | 4.83 | 0.14 | 26.400 | 0.196 | 1503. | 5.5 |
| 83 | 84.1 | 13.432 | 35.140 | 4.75 | 0.14 | 26.414 | 0.200 | 1503. | 6.0 |
| 85 | 86.0 | 13.401 | 35.158 | 4.80 | 0.14 | 26.435 | 0.203 | 1503. | 6.5 |
| 87 | 87.9 | 13.285 | 35.173 | 4.77 | 0.14 | 26.470 | 0.206 | 1503. | 7.0 |
| 89 | 90.0 | 13.138 | 35.181 | 4.72 | 0.14 | 26.506 | 0.209 | 1502. | 7.1 |
| 91 | 91.9 | 13.023 | 35.185 | 4.75 | 0.14 | 26.532 | 0.212 | 1502. | 7.2 |
| 93 | 94.0 | 12.947 | 35.230 | 4.68 | 0.13 | 26.583 | 0.215 | 1502. | 7.0 |
| 95 | 96.0 | 13.213 | 35.348 | 4.60 | 0.12 | 26.621 | 0.218 | 1503. | 6.6 |
| 97 | 98.0 | 13.645 | 35.485 | 4.55 | 0.11 | 26.638 | 0.221 | 1505. | 6.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 34 | 13 JUL 1982 | 0244 | 40°31.8'N | 67°43.3'W | 217 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 13.606 | 35.494 | 4.63 | 0.10 | 26.653 | 0.224 | 1504. | 6.3 |
| 101 | 102.0 | 13.565 | 35.509 | 4.59 | 0.10 | 26.672 | 0.227 | 1504. | 6.2 |
| 103 | 104.0 | 13.497 | 35.512 | 4.60 | 0.10 | 26.689 | 0.230 | 1504. | 6.2 |
| 105 | 106.0 | 13.292 | 35.493 | 4.60 | 0.10 | 26.716 | 0.232 | 1503. | 6.3 |
| 107 | 108.0 | 13.074 | 35.500 | 4.57 | 0.10 | 26.766 | 0.235 | 1503. | 6.2 |
| 109 | 110.0 | 12.956 | 35.498 | 4.50 | 0.10 | 26.788 | 0.237 | 1502. | 5.9 |
| 111 | 112.1 | 12.860 | 35.496 | 4.47 | 0.10 | 26.806 | 0.240 | 1502. | 5.5 |
| 113 | 113.9 | 12.802 | 35.497 | 4.46 | 0.10 | 26.819 | 0.242 | 1502. | 4.8 |
| 115 | 116.0 | 12.740 | 35.496 | 4.39 | 0.11 | 26.830 | 0.245 | 1502. | 4.1 |
| 117 | 118.0 | 12.723 | 35.497 | 4.39 | 0.11 | 26.834 | 0.248 | 1502. | 3.7 |
| 119 | 120.0 | 12.693 | 35.496 | 4.40 | 0.11 | 26.840 | 0.250 | 1502. | 3.3 |
| 121 | 122.0 | 12.645 | 35.495 | 4.38 | 0.11 | 26.848 | 0.252 | 1502. | 3.1 |
| 123 | 124.0 | 12.606 | 35.494 | 4.38 | 0.11 | 26.855 | 0.255 | 1502. | 2.9 |
| 125 | 126.0 | 12.585 | 35.494 | 4.37 | 0.11 | 26.859 | 0.257 | 1501. | 2.7 |
| 127 | 128.0 | 12.560 | 35.493 | 4.35 | 0.11 | 26.864 | 0.260 | 1501. | 2.5 |
| 129 | 130.0 | 12.542 | 35.492 | 4.36 | 0.11 | 26.866 | 0.262 | 1501. | 2.3 |
| 131 | 132.0 | 12.525 | 35.491 | 4.34 | 0.11 | 26.869 | 0.264 | 1501. | 2.3 |
| 133 | 134.1 | 12.516 | 35.491 | 4.33 | 0.11 | 26.870 | 0.267 | 1501. | 2.4 |
| 135 | 136.0 | 12.499 | 35.489 | 4.33 | 0.11 | 26.873 | 0.269 | 1501. | 2.5 |
| 137 | 138.0 | 12.459 | 35.486 | 4.32 | 0.11 | 26.878 | 0.272 | 1501. | 2.6 |
| 139 | 140.1 | 12.421 | 35.485 | 4.31 | 0.11 | 26.885 | 0.274 | 1501. | 2.6 |
| 141 | 141.9 | 12.396 | 35.484 | 4.31 | 0.11 | 26.889 | 0.276 | 1501. | 2.6 |
| 143 | 144.1 | 12.371 | 35.483 | 4.29 | 0.11 | 26.893 | 0.279 | 1501. | 2.5 |
| 145 | 146.0 | 12.350 | 35.482 | 4.29 | 0.11 | 26.897 | 0.281 | 1501. | 2.3 |
| 147 | 148.0 | 12.333 | 35.482 | 4.25 | 0.11 | 26.900 | 0.284 | 1501. | 2.2 |
| 149 | 150.0 | 12.322 | 35.482 | 4.26 | 0.11 | 26.901 | 0.286 | 1501. | 2.1 |
| 151 | 152.0 | 12.312 | 35.481 | 4.25 | 0.11 | 26.903 | 0.288 | 1501. | 2.0 |
| 153 | 154.0 | 12.292 | 35.480 | 4.25 | 0.11 | 26.906 | 0.291 | 1501. | 2.1 |
| 155 | 156.0 | 12.268 | 35.478 | 4.24 | 0.11 | 26.909 | 0.293 | 1501. | 2.5 |
| 157 | 158.0 | 12.263 | 35.478 | 4.24 | 0.11 | 26.910 | 0.295 | 1501. | 3.0 |
| 159 | 160.1 | 12.224 | 35.474 | 4.25 | 0.12 | 26.915 | 0.298 | 1501. | 3.4 |
| 161 | 161.9 | 12.180 | 35.471 | 4.22 | 0.11 | 26.921 | 0.300 | 1501. | 3.8 |
| 163 | 163.9 | 12.078 | 35.463 | 4.20 | 0.12 | 26.934 | 0.302 | 1500. | 4.1 |
| 165 | 166.1 | 11.938 | 35.451 | 4.21 | 0.12 | 26.952 | 0.305 | 1500. | 4.2 |
| 167 | 168.1 | 11.851 | 35.443 | 4.20 | 0.12 | 26.962 | 0.307 | 1500. | 4.2 |
| 169 | 169.9 | 11.762 | 35.433 | 4.19 | 0.13 | 26.972 | 0.309 | 1499. | 4.0 |
| 171 | 172.0 | 11.599 | 35.413 | 4.18 | 0.14 | 26.987 | 0.311 | 1499. | 3.8 |
| 173 | 174.0 | 11.567 | 35.409 | 4.21 | 0.14 | 26.990 | 0.314 | 1499. | 3.5 |
| 175 | 176.0 | 11.535 | 35.404 | 4.19 | 0.14 | 26.992 | 0.316 | 1499. | 3.3 |
| 176 | 177.9 | 11.469 | 35.397 | 4.20 | 0.15 | 26.999 | 0.318 | 1498. | 3.1 |
| 179 | 180.1 | 11.394 | 35.392 | 4.23 | 0.15 | 27.009 | 0.320 | 1498. | 2.9 |
| 181 | 182.0 | 11.353 | 35.389 | 4.22 | 0.16 | 27.014 | 0.322 | 1498. | 3.0 |
| 182 | 184.0 | 11.341 | 35.391 | 4.19 | 0.15 | 27.018 | 0.324 | 1498. | 2.9 |
| 185 | 186.1 | 11.306 | 35.388 | 4.23 | 0.15 | 27.022 | 0.327 | 1498. | 2.9 |
| 186 | 188.0 | 11.283 | 35.387 | 4.18 | 0.15 | 27.026 | 0.329 | 1498. | 2.9 |
| 188 | 190.0 | 11.239 | 35.385 | 4.20 | 0.16 | 27.032 | 0.331 | 1498. | 2.9 |
| 190 | 192.0 | 11.216 | 35.384 | 4.22 | 0.16 | 27.036 | 0.333 | 1498. | 3.2 |
| 192 | 194.0 | 11.151 | 35.378 | 4.19 | 0.16 | 27.043 | 0.335 | 1498. | 3.7 |
| 195 | 196.1 | 11.083 | 35.373 | 4.17 | 0.17 | 27.052 | 0.337 | 1497. | 4.2 |
| 196 | 197.9 | 11.069 | 35.373 | 4.16 | 0.17 | 27.054 | 0.339 | 1497. | 4.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 34 | 13 JUL 1982 | 0244 | 40°31.8'N | 67°43.3'W | 217 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 200.0 | 10.955 | 35.367 | 4.18 | 0.18 | 27.070 | 0.341 | 1497. | 5.1 |
| 200 | 202.0 | 10.707 | 35.343 | 4.26 | 0.18 | 27.096 | 0.343 | 1496. | 5.3 |
| 202 | 204.0 | 10.525 | 35.330 | 4.25 | 0.19 | 27.118 | 0.345 | 1495. | 5.4 |
| 204 | 206.0 | 10.416 | 35.321 | 4.24 | 0.19 | 27.131 | 0.347 | 1495. | 5.3 |
| 206 | 208.0 | 10.149 | 35.302 | 4.26 | 0.19 | 27.163 | 0.349 | 1494. | 5.0 |
| 208 | 210.1 | 10.128 | 35.305 | 4.22 | 0.20 | 27.168 | 0.351 | 1494. | 4.5 |
| 209 | 211.2 | 10.124 | 35.305 | 4.28 | 0.19 | 27.170 | 0.352 | 1494. | 3.9 |
| 210 | 212.0 | 10.125 | 35.306 | 4.26 | 0.19 | 27.170 | 0.353 | 1494. | 3.2 |
| 211 | 213.1 | 10.118 | 35.305 | 4.25 | 0.19 | 27.170 | 0.354 | 1494. | 3.2 |
| 212 | 214.0 | 10.117 | 35.305 | 4.18 | 0.19 | 27.171 | 0.355 | 1494. | 3.2 |
| 213 | 215.1 | 10.112 | 35.305 | 4.17 | 0.19 | 27.171 | 0.356 | 1494. | 3.2 |
| 214 | 215.6 | 10.118 | 35.306 | 4.21 | 0.19 | 27.171 | 0.356 | 1494. | 3.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 35 | 13 JUL 1982 | 0300 | 40°31.7'N | 67°43.1'W | 265 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 8 | 8.4 | 21.440 | 35.315 | 5.07 | 0.22 | 24.614 | 0.000 | 1526. | 12.0 |
| 10 | 10.0 | 21.432 | 35.325 | 5.14 | 0.22 | 24.624 | 0.005 | 1526. | 12.0 |
| 12 | 12.0 | 21.371 | 35.339 | 5.15 | 0.22 | 24.652 | 0.012 | 1526. | 12.0 |
| 14 | 13.9 | 21.176 | 35.360 | 5.19 | 0.21 | 24.721 | 0.018 | 1525. | 12.0 |
| 16 | 16.0 | 20.828 | 35.417 | 5.24 | 0.21 | 24.860 | 0.025 | 1524. | 12.0 |
| 18 | 18.1 | 20.512 | 35.487 | 5.24 | 0.21 | 24.998 | 0.031 | 1524. | 12.5 |
| 20 | 19.9 | 20.100 | 35.487 | 5.27 | 0.22 | 25.108 | 0.036 | 1523. | 12.6 |
| 22 | 22.2 | 19.647 | 35.409 | 5.43 | 0.23 | 25.168 | 0.043 | 1521. | 12.2 |
| 24 | 24.0 | 19.207 | 35.380 | 5.47 | 0.23 | 25.260 | 0.048 | 1520. | 11.4 |
| 26 | 25.9 | 18.971 | 35.428 | 5.52 | 0.25 | 25.357 | 0.053 | 1519. | 10.9 |
| 28 | 28.1 | 18.889 | 35.515 | 5.50 | 0.28 | 25.444 | 0.058 | 1519. | 10.5 |
| 30 | 29.9 | 18.860 | 35.535 | 5.48 | 0.29 | 25.467 | 0.063 | 1519. | 10.0 |
| 32 | 32.1 | 18.721 | 35.556 | 5.47 | 0.29 | 25.519 | 0.068 | 1519. | 9.0 |
| 34 | 34.0 | 18.160 | 35.493 | 5.51 | 0.27 | 25.611 | 0.073 | 1517. | 8.3 |
| 36 | 36.0 | 17.870 | 35.462 | 5.48 | 0.26 | 25.659 | 0.078 | 1517. | 7.9 |
| 38 | 37.9 | 17.607 | 35.380 | 5.49 | 0.25 | 25.661 | 0.082 | 1516. | 8.3 |
| 40 | 40.1 | 17.318 | 35.287 | 5.50 | 0.24 | 25.660 | 0.087 | 1515. | 8.5 |
| 42 | 42.0 | 16.873 | 35.218 | 5.50 | 0.22 | 25.712 | 0.092 | 1513. | 8.8 |
| 44 | 44.0 | 16.367 | 35.138 | 5.56 | 0.20 | 25.770 | 0.096 | 1512. | 9.2 |
| 46 | 46.0 | 15.760 | 35.099 | 5.55 | 0.18 | 25.879 | 0.100 | 1510. | 9.9 |
| 48 | 47.9 | 15.502 | 35.095 | 5.51 | 0.17 | 25.934 | 0.105 | 1509. | 10.1 |
| 50 | 50.0 | 15.379 | 35.138 | 5.41 | 0.18 | 25.995 | 0.109 | 1509. | 9.8 |
| 52 | 52.0 | 15.224 | 35.145 | 5.36 | 0.16 | 26.035 | 0.113 | 1508. | 9.3 |
| 54 | 54.0 | 14.851 | 35.154 | 5.31 | 0.15 | 26.124 | 0.117 | 1507. | 8.7 |
| 56 | 56.0 | 14.654 | 35.128 | 5.23 | 0.15 | 26.147 | 0.120 | 1507. | 8.4 |
| 58 | 58.0 | 14.418 | 35.125 | 5.13 | 0.14 | 26.195 | 0.124 | 1506. | 7.9 |
| 59 | 60.0 | 14.230 | 35.095 | 5.12 | 0.14 | 26.213 | 0.128 | 1505. | 7.3 |
| 62 | 62.2 | 14.006 | 35.107 | 5.09 | 0.14 | 26.270 | 0.132 | 1505. | 6.5 |
| 63 | 64.0 | 13.947 | 35.122 | 5.05 | 0.13 | 26.293 | 0.135 | 1504. | 6.2 |
| 65 | 66.0 | 13.924 | 35.125 | 5.02 | 0.13 | 26.301 | 0.138 | 1504. | 5.7 |
| 67 | 68.0 | 13.890 | 35.135 | 4.97 | 0.13 | 26.315 | 0.142 | 1504. | 5.3 |
| 69 | 69.9 | 13.792 | 35.116 | 4.98 | 0.13 | 26.322 | 0.145 | 1504. | 4.7 |
| 71 | 72.1 | 13.642 | 35.117 | 4.93 | 0.14 | 26.353 | 0.149 | 1504. | 4.5 |
| 73 | 74.0 | 13.603 | 35.114 | 4.93 | 0.14 | 26.359 | 0.152 | 1504. | 4.4 |
| 75 | 76.0 | 13.560 | 35.120 | 4.89 | 0.14 | 26.372 | 0.155 | 1503. | 4.6 |
| 77 | 78.0 | 13.529 | 35.124 | 4.88 | 0.14 | 26.382 | 0.159 | 1503. | 4.8 |
| 79 | 80.0 | 13.519 | 35.126 | 4.85 | 0.13 | 26.385 | 0.162 | 1503. | 5.0 |
| 81 | 82.1 | 13.473 | 35.129 | 4.84 | 0.14 | 26.397 | 0.165 | 1503. | 5.4 |
| 83 | 84.0 | 13.422 | 35.168 | 4.82 | 0.13 | 26.438 | 0.168 | 1503. | 6.0 |
| 85 | 86.0 | 13.331 | 35.166 | 4.80 | 0.13 | 26.455 | 0.172 | 1503. | 7.0 |
| 87 | 88.1 | 13.230 | 35.174 | 4.74 | 0.13 | 26.482 | 0.175 | 1503. | 7.4 |
| 89 | 90.0 | 13.139 | 35.183 | 4.73 | 0.13 | 26.508 | 0.178 | 1502. | 7.3 |
| 91 | 92.0 | 13.096 | 35.241 | 4.73 | 0.13 | 26.561 | 0.181 | 1502. | 7.0 |
| 93 | 94.0 | 13.404 | 35.443 | 4.64 | 0.12 | 26.654 | 0.184 | 1504. | 6.6 |
| 95 | 96.0 | 13.712 | 35.504 | 4.64 | 0.10 | 26.638 | 0.187 | 1505. | 6.1 |
| 97 | 97.9 | 13.698 | 35.498 | 4.65 | 0.10 | 26.636 | 0.189 | 1505. | 5.7 |
| 99 | 100.2 | 13.687 | 35.523 | 4.65 | 0.10 | 26.658 | 0.192 | 1505. | 5.2 |
| 101 | 102.0 | 13.629 | 35.507 | 4.66 | 0.10 | 26.658 | 0.195 | 1505. | 5.2 |
| 103 | 104.1 | 13.498 | 35.506 | 4.63 | 0.10 | 26.684 | 0.198 | 1504. | 5.8 |
| 105 | 106.0 | 13.318 | 35.498 | 4.64 | 0.10 | 26.714 | 0.201 | 1504. | 5.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 35 | 13 JUL 1982 | 0300 | 40°31.7'N | 67°43.1'W | 265 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 107 | 107.9 | 13.156 | 35.499 | 4.61 | 0.10 | 26.748 | 0.203 | 1503. | 5.6 |
| 109 | 110.0 | 13.031 | 35.507 | 4.56 | 0.10 | 26.780 | 0.206 | 1503. | 5.3 |
| 111 | 111.9 | 13.019 | 35.508 | 4.53 | 0.10 | 26.783 | 0.208 | 1503. | 4.8 |
| 113 | 114.1 | 13.012 | 35.508 | 4.51 | 0.10 | 26.785 | 0.211 | 1503. | 4.3 |
| 115 | 115.9 | 12.994 | 35.504 | 4.51 | 0.10 | 26.785 | 0.213 | 1503. | 3.9 |
| 117 | 118.1 | 12.917 | 35.502 | 4.48 | 0.10 | 26.799 | 0.216 | 1502. | 3.7 |
| 119 | 119.8 | 12.796 | 35.491 | 4.50 | 0.10 | 26.815 | 0.218 | 1502. | 3.7 |
| 121 | 122.0 | 12.753 | 35.498 | 4.45 | 0.10 | 26.829 | 0.221 | 1502. | 3.6 |
| 123 | 124.0 | 12.733 | 35.498 | 4.46 | 0.10 | 26.833 | 0.224 | 1502. | 3.3 |
| 125 | 126.0 | 12.721 | 35.501 | 4.42 | 0.10 | 26.838 | 0.226 | 1502. | 2.8 |
| 127 | 128.0 | 12.714 | 35.501 | 4.42 | 0.10 | 26.840 | 0.228 | 1502. | 2.3 |
| 129 | 130.0 | 12.697 | 35.500 | 4.44 | 0.10 | 26.841 | 0.231 | 1502. | 2.0 |
| 131 | 132.1 | 12.683 | 35.499 | 4.40 | 0.10 | 26.844 | 0.234 | 1502. | 2.2 |
| 133 | 133.9 | 12.657 | 35.494 | 4.42 | 0.10 | 26.845 | 0.236 | 1502. | 2.4 |
| 135 | 136.1 | 12.639 | 35.493 | 4.40 | 0.11 | 26.848 | 0.238 | 1502. | 3.0 |
| 137 | 137.9 | 12.619 | 35.493 | 4.40 | 0.11 | 26.852 | 0.241 | 1502. | 3.4 |
| 139 | 140.1 | 12.552 | 35.489 | 4.37 | 0.11 | 26.862 | 0.243 | 1502. | 3.6 |
| 141 | 141.8 | 12.513 | 35.487 | 4.38 | 0.11 | 26.868 | 0.245 | 1501. | 3.7 |
| 143 | 144.1 | 12.405 | 35.487 | 4.34 | 0.11 | 26.889 | 0.248 | 1501. | 3.6 |
| 145 | 145.9 | 12.355 | 35.483 | 4.34 | 0.11 | 26.896 | 0.250 | 1501. | 3.4 |
| 147 | 148.0 | 12.335 | 35.484 | 4.31 | 0.11 | 26.901 | 0.253 | 1501. | 3.1 |
| 149 | 150.1 | 12.316 | 35.481 | 4.31 | 0.11 | 26.902 | 0.255 | 1501. | 2.8 |
| 151 | 151.9 | 12.285 | 35.478 | 4.31 | 0.11 | 26.906 | 0.257 | 1501. | 2.3 |
| 153 | 154.1 | 12.269 | 35.479 | 4.29 | 0.11 | 26.909 | 0.260 | 1501. | 2.1 |
| 155 | 155.8 | 12.257 | 35.478 | 4.30 | 0.12 | 26.911 | 0.262 | 1501. | 2.0 |
| 157 | 158.0 | 12.233 | 35.477 | 4.30 | 0.11 | 26.915 | 0.265 | 1501. | 2.0 |
| 159 | 160.0 | 12.223 | 35.476 | 4.28 | 0.11 | 26.916 | 0.267 | 1501. | 2.1 |
| 161 | 162.0 | 12.214 | 35.475 | 4.26 | 0.11 | 26.918 | 0.269 | 1501. | 2.2 |
| 163 | 164.0 | 12.207 | 35.475 | 4.26 | 0.11 | 26.919 | 0.271 | 1501. | 2.8 |
| 165 | 166.0 | 12.175 | 35.473 | 4.26 | 0.11 | 26.923 | 0.274 | 1501. | 3.3 |
| 167 | 168.1 | 12.127 | 35.470 | 4.26 | 0.11 | 26.930 | 0.276 | 1501. | 3.6 |
| 169 | 169.9 | 12.081 | 35.465 | 4.25 | 0.11 | 26.936 | 0.278 | 1500. | 3.8 |
| 171 | 172.0 | 11.889 | 35.447 | 4.25 | 0.12 | 26.958 | 0.281 | 1500. | 3.8 |
| 173 | 174.0 | 11.783 | 35.438 | 4.24 | 0.12 | 26.972 | 0.283 | 1499. | 3.7 |
| 175 | 175.9 | 11.752 | 35.435 | 4.23 | 0.12 | 26.975 | 0.285 | 1499. | 3.5 |
| 177 | 178.0 | 11.715 | 35.431 | 4.23 | 0.13 | 26.979 | 0.288 | 1499. | 3.1 |
| 179 | 180.0 | 11.701 | 35.430 | 4.24 | 0.13 | 26.981 | 0.290 | 1499. | 2.4 |
| 180 | 181.2 | 11.687 | 35.428 | 4.23 | 0.13 | 26.982 | 0.291 | 1499. | 1.9 |
| 181 | 182.0 | 11.681 | 35.427 | 4.24 | 0.13 | 26.982 | 0.292 | 1499. | 1.7 |
| 182 | 183.0 | 11.673 | 35.426 | 4.23 | 0.13 | 26.983 | 0.293 | 1499. | 1.6 |
| 182 | 184.0 | 11.665 | 35.425 | 4.23 | 0.13 | 26.984 | 0.294 | 1499. | 1.6 |
| 184 | 185.0 | 11.659 | 35.424 | 4.24 | 0.14 | 26.984 | 0.295 | 1499. | 1.6 |
| 184 | 186.0 | 11.640 | 35.420 | 4.25 | 0.13 | 26.985 | 0.296 | 1499. | 1.7 |
| 185 | 187.0 | 11.617 | 35.416 | 4.26 | 0.14 | 26.986 | 0.297 | 1499. | 1.7 |
| 186 | 188.0 | 11.605 | 35.416 | 4.26 | 0.14 | 26.988 | 0.299 | 1499. | 1.8 |
| 187 | 189.0 | 11.598 | 35.413 | 4.25 | 0.14 | 26.987 | 0.300 | 1499. | 1.8 |
| 188 | 190.0 | 11.582 | 35.411 | 4.25 | 0.14 | 26.989 | 0.301 | 1499. | 1.8 |
| 189 | 191.0 | 11.566 | 35.409 | 4.25 | 0.14 | 26.990 | 0.302 | 1499. | 1.8 |
| 190 | 192.0 | 11.559 | 35.408 | 4.26 | 0.14 | 26.990 | 0.303 | 1499. | 1.8 |
| 191 | 193.0 | 11.547 | 35.406 | 4.27 | 0.14 | 26.991 | 0.304 | 1499. | 1.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 35 | 13 JUL 1982 | 0300 | 40°31.7'N | 67°43.1'W | 265 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 192 | 193.9 | 11.539 | 35.405 | 4.26 | 0.14 | 26.992 | 0.305 | 1499. | 1.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 36 | 13 JUL 1982 | 0352 | 40°32.1'N | 67°44.2'W | 167 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.1 | 21.881 | 35.289 | 4.90 | 0.21 | 24.472 | 0.000 | 1527. | 7.5 |
| 4 | 3.9 | 21.757 | 35.300 | 4.99 | 0.21 | 24.515 | 0.006 | 1527. | 7.5 |
| 6 | 6.1 | 21.664 | 35.326 | 5.04 | 0.21 | 24.560 | 0.014 | 1526. | 7.5 |
| 8 | 8.0 | 21.709 | 35.322 | 5.04 | 0.21 | 24.546 | 0.020 | 1527. | 7.5 |
| 10 | 9.9 | 21.489 | 35.404 | 5.04 | 0.21 | 24.669 | 0.027 | 1526. | 7.5 |
| 12 | 12.0 | 21.421 | 35.402 | 4.99 | 0.22 | 24.686 | 0.033 | 1526. | 7.8 |
| 14 | 14.0 | 21.382 | 35.396 | 5.01 | 0.21 | 24.692 | 0.040 | 1526. | 8.2 |
| 16 | 16.0 | 21.300 | 35.386 | 5.00 | 0.22 | 24.707 | 0.046 | 1526. | 8.7 |
| 18 | 18.0 | 21.112 | 35.391 | 5.02 | 0.22 | 24.762 | 0.053 | 1525. | 9.2 |
| 20 | 20.0 | 20.820 | 35.402 | 5.07 | 0.21 | 24.850 | 0.059 | 1524. | 10.2 |
| 22 | 22.0 | 20.719 | 35.447 | 5.05 | 0.20 | 24.912 | 0.065 | 1524. | 11.3 |
| 24 | 24.0 | 20.628 | 35.497 | 5.07 | 0.21 | 24.974 | 0.071 | 1524. | 11.9 |
| 26 | 26.0 | 20.110 | 35.500 | 5.18 | 0.22 | 25.115 | 0.077 | 1523. | 12.0 |
| 28 | 28.0 | 19.811 | 35.495 | 5.23 | 0.23 | 25.190 | 0.083 | 1522. | 12.1 |
| 30 | 30.0 | 19.271 | 35.494 | 5.30 | 0.24 | 25.330 | 0.088 | 1520. | 12.3 |
| 32 | 32.0 | 19.069 | 35.526 | 5.28 | 0.27 | 25.407 | 0.093 | 1520. | 12.0 |
| 34 | 34.0 | 18.954 | 35.548 | 5.27 | 0.28 | 25.453 | 0.098 | 1520. | 11.3 |
| 36 | 36.0 | 18.469 | 35.535 | 5.35 | 0.28 | 25.566 | 0.103 | 1518. | 10.6 |
| 38 | 37.9 | 17.731 | 35.444 | 5.37 | 0.27 | 25.680 | 0.108 | 1516. | 10.1 |
| 40 | 40.1 | 17.399 | 35.372 | 5.37 | 0.25 | 25.705 | 0.113 | 1515. | 10.0 |
| 42 | 42.0 | 16.951 | 35.250 | 5.40 | 0.25 | 25.719 | 0.117 | 1514. | 10.1 |
| 44 | 43.9 | 16.356 | 35.118 | 5.48 | 0.21 | 25.757 | 0.122 | 1512. | 9.8 |
| 46 | 46.0 | 15.838 | 35.110 | 5.48 | 0.19 | 25.870 | 0.126 | 1510. | 9.8 |
| 48 | 48.1 | 15.541 | 35.104 | 5.44 | 0.17 | 25.933 | 0.130 | 1509. | 10.0 |
| 50 | 49.9 | 15.021 | 35.073 | 5.40 | 0.16 | 26.024 | 0.134 | 1508. | 9.9 |
| 52 | 52.0 | 14.604 | 35.010 | 5.39 | 0.15 | 26.067 | 0.138 | 1506. | 9.3 |
| 54 | 54.1 | 14.332 | 35.007 | 5.33 | 0.15 | 26.123 | 0.142 | 1505. | 8.4 |
| 56 | 56.0 | 14.271 | 35.021 | 5.26 | 0.15 | 26.147 | 0.146 | 1505. | 7.7 |
| 58 | 58.0 | 13.905 | 34.972 | 5.28 | 0.14 | 26.186 | 0.150 | 1504. | 7.0 |
| 60 | 60.0 | 13.864 | 34.982 | 5.20 | 0.14 | 26.202 | 0.153 | 1504. | 6.7 |
| 62 | 62.0 | 13.842 | 35.016 | 5.13 | 0.14 | 26.233 | 0.157 | 1504. | 6.2 |
| 63 | 63.9 | 13.827 | 35.036 | 5.10 | 0.14 | 26.252 | 0.160 | 1504. | 5.9 |
| 66 | 66.0 | 13.709 | 35.046 | 5.09 | 0.14 | 26.285 | 0.164 | 1504. | 5.5 |
| 67 | 67.9 | 13.777 | 35.092 | 5.01 | 0.14 | 26.306 | 0.167 | 1504. | 5.1 |
| 70 | 70.1 | 13.803 | 35.104 | 4.94 | 0.14 | 26.310 | 0.171 | 1504. | 4.5 |
| 71 | 71.9 | 13.732 | 35.097 | 4.91 | 0.14 | 26.319 | 0.174 | 1504. | 4.2 |
| 74 | 74.1 | 13.630 | 35.084 | 4.90 | 0.14 | 26.330 | 0.178 | 1504. | 4.0 |
| 75 | 75.8 | 13.579 | 35.074 | 4.91 | 0.14 | 26.333 | 0.181 | 1503. | 4.4 |
| 77 | 78.0 | 13.521 | 35.067 | 4.81 | 0.14 | 26.339 | 0.185 | 1503. | 4.9 |
| 79 | 80.1 | 13.471 | 35.075 | 4.83 | 0.14 | 26.356 | 0.188 | 1503. | 5.3 |
| 81 | 82.0 | 13.400 | 35.084 | 4.84 | 0.14 | 26.377 | 0.191 | 1503. | 5.6 |
| 83 | 84.0 | 13.360 | 35.123 | 4.80 | 0.14 | 26.415 | 0.195 | 1503. | 6.0 |
| 85 | 86.0 | 13.358 | 35.146 | 4.79 | 0.14 | 26.434 | 0.198 | 1503. | 6.2 |
| 87 | 88.1 | 13.310 | 35.159 | 4.75 | 0.14 | 26.454 | 0.201 | 1503. | 6.2 |
| 89 | 89.9 | 13.209 | 35.162 | 4.69 | 0.14 | 26.477 | 0.204 | 1503. | 6.1 |
| 91 | 92.1 | 13.077 | 35.168 | 4.69 | 0.14 | 26.508 | 0.207 | 1502. | 6.3 |
| 93 | 94.0 | 13.058 | 35.193 | 4.68 | 0.13 | 26.531 | 0.210 | 1502. | 6.5 |
| 95 | 96.0 | 13.189 | 35.252 | 4.61 | 0.13 | 26.550 | 0.213 | 1503. | 6.6 |
| 97 | 98.1 | 13.407 | 35.338 | 4.57 | 0.12 | 26.573 | 0.216 | 1504. | 6.6 |
| 99 | 100.0 | 13.661 | 35.471 | 4.53 | 0.11 | 26.623 | 0.219 | 1505. | 6.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 36 | 13 JUL 1982 | 0352 | 40°32.1'N | 67°44.2'W | 167 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.1 | 13.651 | 35.510 | 4.56 | 0.10 | 26.655 | 0.222 | 1505. | 6.2 |
| 103 | 104.0 | 13.374 | 35.459 | 4.57 | 0.10 | 26.673 | 0.225 | 1504. | 6.0 |
| 105 | 106.1 | 13.240 | 35.443 | 4.54 | 0.11 | 26.688 | 0.228 | 1503. | 5.8 |
| 107 | 107.8 | 13.148 | 35.430 | 4.48 | 0.11 | 26.697 | 0.230 | 1503. | 5.5 |
| 109 | 110.0 | 12.759 | 35.357 | 4.54 | 0.12 | 26.718 | 0.233 | 1502. | 5.7 |
| 111 | 112.0 | 12.574 | 35.332 | 4.47 | 0.14 | 26.736 | 0.236 | 1501. | 5.8 |
| 113 | 113.9 | 12.473 | 35.340 | 4.47 | 0.14 | 26.762 | 0.238 | 1501. | 5.8 |
| 115 | 116.0 | 12.485 | 35.378 | 4.38 | 0.14 | 26.789 | 0.241 | 1501. | 5.6 |
| 117 | 118.0 | 12.458 | 35.413 | 4.36 | 0.13 | 26.822 | 0.244 | 1501. | 5.3 |
| 119 | 120.0 | 12.444 | 35.419 | 4.36 | 0.13 | 26.829 | 0.246 | 1501. | 5.0 |
| 121 | 122.0 | 12.424 | 35.421 | 4.35 | 0.13 | 26.834 | 0.248 | 1501. | 4.7 |
| 123 | 124.0 | 12.390 | 35.425 | 4.33 | 0.13 | 26.844 | 0.251 | 1501. | 4.7 |
| 125 | 125.9 | 12.347 | 35.434 | 4.34 | 0.13 | 26.860 | 0.253 | 1501. | 4.6 |
| 127 | 128.1 | 12.278 | 35.432 | 4.32 | 0.13 | 26.872 | 0.256 | 1500. | 4.6 |
| 129 | 130.0 | 12.201 | 35.434 | 4.30 | 0.13 | 26.888 | 0.258 | 1500. | 4.5 |
| 131 | 131.9 | 12.088 | 35.439 | 4.32 | 0.13 | 26.914 | 0.260 | 1500. | 4.2 |
| 133 | 134.0 | 12.055 | 35.442 | 4.25 | 0.13 | 26.922 | 0.263 | 1500. | 3.7 |
| 135 | 136.0 | 12.062 | 35.445 | 4.24 | 0.13 | 26.924 | 0.265 | 1500. | 3.2 |
| 137 | 138.0 | 12.056 | 35.445 | 4.24 | 0.13 | 26.925 | 0.267 | 1500. | 2.5 |
| 139 | 140.0 | 12.047 | 35.446 | 4.23 | 0.13 | 26.927 | 0.270 | 1500. | 1.9 |
| 141 | 142.0 | 12.041 | 35.446 | 4.22 | 0.13 | 26.929 | 0.272 | 1500. | 1.8 |
| 143 | 143.9 | 12.035 | 35.446 | 4.21 | 0.13 | 26.929 | 0.274 | 1500. | 1.9 |
| 145 | 146.1 | 12.014 | 35.444 | 4.20 | 0.13 | 26.932 | 0.277 | 1500. | 1.9 |
| 147 | 147.9 | 11.993 | 35.443 | 4.22 | 0.13 | 26.935 | 0.279 | 1500. | 1.9 |
| 149 | 150.0 | 11.973 | 35.442 | 4.22 | 0.13 | 26.938 | 0.281 | 1500. | 2.1 |
| 150 | 151.2 | 11.961 | 35.440 | 4.20 | 0.13 | 26.939 | 0.283 | 1500. | 2.2 |
| 151 | 152.1 | 11.954 | 35.440 | 4.23 | 0.13 | 26.940 | 0.284 | 1500. | 2.3 |
| 152 | 153.0 | 11.930 | 35.434 | 4.22 | 0.13 | 26.940 | 0.285 | 1500. | 2.4 |
| 153 | 154.0 | 11.905 | 35.434 | 4.20 | 0.13 | 26.945 | 0.286 | 1500. | 2.5 |
| 154 | 155.0 | 11.907 | 35.437 | 4.20 | 0.13 | 26.947 | 0.287 | 1500. | 2.8 |
| 155 | 156.0 | 11.899 | 35.436 | 4.19 | 0.13 | 26.948 | 0.288 | 1500. | 2.8 |
| 156 | 157.0 | 11.858 | 35.430 | 4.19 | 0.13 | 26.951 | 0.289 | 1499. | 2.9 |
| 157 | 158.1 | 11.826 | 35.425 | 4.19 | 0.13 | 26.953 | 0.290 | 1499. | 2.8 |
| 158 | 159.0 | 11.795 | 35.425 | 4.20 | 0.14 | 26.959 | 0.291 | 1499. | 2.7 |
| 159 | 160.0 | 11.794 | 35.422 | 4.14 | 0.14 | 26.957 | 0.293 | 1499. | 2.6 |
| 160 | 161.0 | 11.720 | 35.410 | 4.11 | 0.15 | 26.961 | 0.294 | 1499. | 2.3 |
| 161 | 162.0 | 11.720 | 35.411 | 4.14 | 0.15 | 26.963 | 0.295 | 1499. | 2.1 |
| 162 | 163.0 | 11.727 | 35.414 | 4.15 | 0.15 | 26.964 | 0.296 | 1499. | 2.1 |
| 163 | 164.0 | 11.728 | 35.413 | 4.16 | 0.15 | 26.962 | 0.297 | 1499. | 2.1 |
| 164 | 165.0 | 11.716 | 35.412 | 4.17 | 0.15 | 26.964 | 0.298 | 1499. | 2.1 |
| 164 | 165.7 | 11.649 | 35.397 | 4.18 | 0.15 | 26.965 | 0.299 | 1499. | 2.1 |

STA 37 DAY: 13 TIME: 0520

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|
| 0.0 | 22.6 | 28.2 | 18.8 | 48.6 | 14.8 | 91.2 | 13.1 |
| 1.0 | 22.5 | 28.2 | 18.7 | 48.6 | 14.7 | 92.1 | 13.1 |
| 1.0 | 22.4 | 29.2 | 18.7 | 48.6 | 14.6 | 93.1 | 13.1 |
| 1.0 | 22.3 | 30.2 | 18.6 | 48.6 | 14.6 | 93.1 | 13.0 |
| 1.0 | 22.2 | 31.1 | 18.6 | 49.6 | 14.4 | 94.1 | 13.0 |
| 1.0 | 22.1 | 32.1 | 18.6 | 49.6 | 14.3 | 95.0 | 13.0 |
| 1.9 | 22.0 | 33.1 | 18.6 | 50.6 | 14.2 | 96.0 | 12.9 |
| 1.9 | 21.9 | 34.1 | 18.6 | 50.6 | 14.1 | 97.0 | 12.9 |
| 1.9 | 21.9 | 35.0 | 18.6 | 50.6 | 14.1 | 97.9 | 12.9 |
| 1.9 | 21.8 | 35.0 | 18.6 | 51.5 | 14.0 | 99.9 | 12.9 |
| 2.9 | 21.8 | 36.0 | 18.6 | 52.5 | 14.0 | 99.9 | 12.9 |
| 4.9 | 21.7 | 36.0 | 18.5 | 54.4 | 14.0 | 102.8 | 12.9 |
| 5.8 | 21.7 | 37.0 | 18.5 | 55.4 | 14.0 | 104.7 | 12.8 |
| 5.8 | 21.8 | 37.9 | 18.5 | 56.4 | 13.9 | 105.6 | 12.8 |
| 6.8 | 21.8 | 37.9 | 18.4 | 57.3 | 13.9 | 107.6 | 12.8 |
| 7.8 | 21.8 | 37.9 | 18.3 | 57.3 | 13.8 | 108.5 | 12.7 |
| 9.7 | 21.7 | 37.9 | 18.2 | 58.3 | 13.8 | 109.5 | 12.7 |
| 10.7 | 21.7 | 37.9 | 18.2 | 59.3 | 13.7 | 110.5 | 12.7 |
| 11.7 | 21.5 | 37.9 | 18.1 | 61.2 | 13.7 | 111.4 | 12.6 |
| 12.7 | 21.5 | 37.9 | 18.0 | 63.1 | 13.7 | 112.4 | 12.5 |
| 13.6 | 21.4 | 38.9 | 17.9 | 64.1 | 13.7 | 113.4 | 12.5 |
| 13.6 | 21.3 | 38.9 | 17.8 | 64.1 | 13.7 | 115.3 | 12.5 |
| 14.6 | 21.2 | 38.9 | 17.7 | 66.0 | 13.6 | 116.2 | 12.4 |
| 14.6 | 21.1 | 39.9 | 17.5 | 67.0 | 13.6 | 116.2 | 12.4 |
| 14.6 | 21.0 | 39.9 | 17.5 | 68.0 | 13.6 | 117.2 | 12.4 |
| 15.6 | 20.9 | 39.9 | 17.3 | 68.0 | 13.5 | 119.1 | 12.4 |
| 16.6 | 20.9 | 40.9 | 17.2 | 69.0 | 13.4 | 120.1 | 12.3 |
| 17.5 | 20.9 | 40.9 | 17.2 | 69.0 | 13.4 | | |
| 18.5 | 20.9 | 40.9 | 17.1 | 69.9 | 13.3 | | |
| 18.5 | 20.8 | 41.8 | 17.0 | 70.9 | 13.3 | | |
| 19.5 | 20.6 | 41.8 | 16.9 | 71.9 | 13.3 | | |
| 19.5 | 20.5 | 42.8 | 16.8 | 72.8 | 13.3 | | |
| 19.5 | 20.4 | 42.8 | 16.6 | 72.8 | 13.2 | | |
| 20.4 | 20.2 | 42.8 | 16.5 | 73.8 | 13.2 | | |
| 21.4 | 20.1 | 43.8 | 16.4 | 74.8 | 13.3 | | |
| 21.4 | 20.0 | 43.8 | 16.2 | 75.7 | 13.3 | | |
| 23.4 | 20.0 | 43.8 | 16.1 | 75.7 | 13.4 | | |
| 24.3 | 20.0 | 44.7 | 16.1 | 77.7 | 13.4 | | |
| 25.3 | 19.9 | 44.7 | 16.0 | 77.7 | 13.4 | | |
| 26.3 | 19.9 | 44.7 | 15.9 | 78.6 | 13.3 | | |
| 26.3 | 19.8 | 44.7 | 15.9 | 79.6 | 13.3 | | |
| 26.3 | 19.7 | 45.7 | 15.8 | 80.6 | 13.3 | | |
| 26.3 | 19.6 | 45.7 | 15.7 | 81.5 | 13.3 | | |
| 26.3 | 19.5 | 46.7 | 15.7 | 82.5 | 13.3 | | |
| 27.3 | 19.4 | 46.7 | 15.5 | 83.5 | 13.2 | | |
| 27.3 | 19.3 | 46.7 | 15.4 | 84.4 | 13.2 | | |
| 27.3 | 19.2 | 46.7 | 15.3 | 85.4 | 13.1 | | |
| 27.3 | 19.1 | 46.7 | 15.1 | 86.4 | 13.1 | | |
| 27.3 | 19.0 | 47.6 | 15.0 | 87.3 | 13.1 | | |
| 28.2 | 18.9 | 48.6 | 14.9 | 89.2 | 13.1 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 38 | 13 JUL 1982 | 0437 | 40°33.6'N | 67°44.5'W | 108 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.4 | 22.263 | 35.306 | 4.97 | 0.20 | 24.378 | 0.000 | 1528. | 8.2 |
| 4 | 3.9 | 22.290 | 35.304 | 4.94 | 0.20 | 24.369 | 0.006 | 1528. | 8.2 |
| 6 | 6.0 | 22.036 | 35.299 | 5.04 | 0.21 | 24.437 | 0.013 | 1527. | 8.2 |
| 8 | 8.0 | 21.725 | 35.277 | 5.14 | 0.21 | 24.507 | 0.020 | 1527. | 8.2 |
| 10 | 10.1 | 21.598 | 35.311 | 5.16 | 0.22 | 24.568 | 0.027 | 1526. | 8.2 |
| 12 | 12.0 | 21.581 | 35.318 | 5.10 | 0.22 | 24.578 | 0.033 | 1526. | 9.0 |
| 14 | 14.1 | 21.489 | 35.303 | 5.01 | 0.23 | 24.592 | 0.040 | 1526. | 9.5 |
| 16 | 15.9 | 21.244 | 35.241 | 5.05 | 0.22 | 24.612 | 0.046 | 1525. | 10.5 |
| 18 | 18.0 | 20.665 | 35.179 | 5.13 | 0.21 | 24.722 | 0.053 | 1524. | 11.5 |
| 20 | 20.0 | 20.602 | 35.342 | 5.15 | 0.20 | 24.864 | 0.059 | 1524. | 12.2 |
| 22 | 21.9 | 20.341 | 35.356 | 5.18 | 0.20 | 24.944 | 0.065 | 1523. | 12.6 |
| 24 | 24.1 | 19.691 | 35.326 | 5.28 | 0.21 | 25.093 | 0.072 | 1521. | 12.8 |
| 26 | 25.9 | 19.577 | 35.404 | 5.32 | 0.21 | 25.182 | 0.077 | 1521. | 12.6 |
| 28 | 28.1 | 19.444 | 35.463 | 5.34 | 0.21 | 25.262 | 0.083 | 1521. | 12.0 |
| 30 | 29.8 | 19.168 | 35.439 | 5.39 | 0.23 | 25.315 | 0.087 | 1520. | 11.3 |
| 32 | 32.1 | 18.392 | 35.386 | 5.49 | 0.27 | 25.471 | 0.093 | 1518. | 10.6 |
| 34 | 33.9 | 18.152 | 35.385 | 5.49 | 0.27 | 25.530 | 0.098 | 1517. | 9.9 |
| 36 | 35.9 | 18.014 | 35.377 | 5.43 | 0.26 | 25.558 | 0.103 | 1517. | 9.5 |
| 38 | 38.1 | 17.691 | 35.316 | 5.45 | 0.25 | 25.591 | 0.108 | 1516. | 9.4 |
| 39 | 39.8 | 17.279 | 35.239 | 5.49 | 0.25 | 25.632 | 0.112 | 1515. | 9.4 |
| 42 | 42.3 | 16.776 | 35.146 | 5.52 | 0.24 | 25.681 | 0.118 | 1513. | 10.0 |
| 44 | 43.9 | 16.384 | 35.104 | 5.55 | 0.22 | 25.740 | 0.122 | 1512. | 10.7 |
| 46 | 46.1 | 15.365 | 34.963 | 5.65 | 0.19 | 25.863 | 0.126 | 1509. | 11.1 |
| 48 | 47.9 | 14.699 | 34.872 | 5.66 | 0.17 | 25.940 | 0.130 | 1506. | 11.1 |
| 50 | 50.0 | 14.141 | 34.832 | 5.58 | 0.16 | 26.028 | 0.134 | 1505. | 10.7 |
| 52 | 52.1 | 13.913 | 34.882 | 5.55 | 0.14 | 26.115 | 0.138 | 1504. | 9.7 |
| 54 | 53.9 | 13.792 | 34.910 | 5.44 | 0.14 | 26.162 | 0.142 | 1504. | 8.5 |
| 56 | 55.9 | 13.609 | 34.905 | 5.36 | 0.14 | 26.196 | 0.146 | 1503. | 7.3 |
| 58 | 58.0 | 13.487 | 34.888 | 5.30 | 0.14 | 26.208 | 0.149 | 1503. | 6.0 |
| 60 | 60.1 | 13.411 | 34.880 | 5.31 | 0.14 | 26.217 | 0.153 | 1502. | 4.9 |
| 61 | 62.0 | 13.413 | 34.895 | 5.26 | 0.14 | 26.228 | 0.157 | 1502. | 4.4 |
| 63 | 64.0 | 13.423 | 34.899 | 5.24 | 0.14 | 26.229 | 0.160 | 1503. | 4.2 |
| 65 | 66.0 | 13.425 | 34.910 | 5.22 | 0.14 | 26.238 | 0.164 | 1503. | 4.3 |
| 67 | 68.0 | 13.346 | 34.923 | 5.24 | 0.14 | 26.264 | 0.167 | 1502. | 4.5 |
| 69 | 70.0 | 13.287 | 34.924 | 5.16 | 0.15 | 26.277 | 0.171 | 1502. | 4.6 |
| 71 | 72.0 | 13.173 | 34.906 | 5.16 | 0.15 | 26.286 | 0.174 | 1502. | 4.6 |
| 73 | 73.9 | 13.148 | 34.915 | 5.09 | 0.16 | 26.301 | 0.178 | 1502. | 4.6 |
| 76 | 76.1 | 13.057 | 34.916 | 5.09 | 0.16 | 26.317 | 0.181 | 1502. | 4.4 |
| 77 | 77.9 | 13.048 | 34.920 | 5.06 | 0.17 | 26.322 | 0.184 | 1502. | 4.3 |
| 79 | 80.1 | 13.013 | 34.927 | 5.01 | 0.17 | 26.334 | 0.188 | 1501. | 4.2 |
| 81 | 81.9 | 13.185 | 35.001 | 4.96 | 0.16 | 26.357 | 0.191 | 1502. | 4.1 |
| 83 | 84.1 | 13.217 | 35.012 | 4.94 | 0.16 | 26.359 | 0.195 | 1502. | 4.0 |
| 85 | 85.9 | 13.194 | 35.012 | 4.90 | 0.16 | 26.363 | 0.198 | 1502. | 3.9 |
| 87 | 88.1 | 13.189 | 35.030 | 4.88 | 0.16 | 26.378 | 0.202 | 1502. | 3.7 |
| 89 | 89.9 | 13.184 | 35.039 | 4.86 | 0.16 | 26.386 | 0.205 | 1502. | 3.4 |
| 91 | 91.2 | 13.174 | 35.039 | 4.81 | 0.16 | 26.389 | 0.207 | 1502. | 3.6 |
| 91 | 92.0 | 13.159 | 35.038 | 4.82 | 0.17 | 26.391 | 0.208 | 1502. | 3.5 |
| 92 | 93.1 | 13.149 | 35.038 | 4.83 | 0.17 | 26.393 | 0.210 | 1502. | 3.2 |
| 93 | 93.9 | 13.142 | 35.042 | 4.83 | 0.17 | 26.397 | 0.211 | 1502. | 3.0 |
| 94 | 94.9 | 13.137 | 35.047 | 4.82 | 0.17 | 26.402 | 0.213 | 1502. | 3.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 38 | 13 JUL 1982 | 0437 | 40°33.6'N | 67°44.5'W | 108 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 95 | 96.0 | 13.165 | 35.059 | 4.80 | 0.16 | 26.406 | 0.215 | 1502. | 2.8 |
| 96 | 97.0 | 13.169 | 35.060 | 4.79 | 0.17 | 26.406 | 0.216 | 1502. | 2.7 |
| 97 | 98.1 | 13.172 | 35.063 | 4.80 | 0.16 | 26.407 | 0.218 | 1502. | 2.7 |
| 98 | 99.0 | 13.176 | 35.066 | 4.78 | 0.16 | 26.409 | 0.220 | 1502. | 2.7 |
| 99 | 100.0 | 13.177 | 35.068 | 4.80 | 0.16 | 26.411 | 0.221 | 1503. | 2.7 |
| 100 | 100.6 | 13.178 | 35.069 | 4.81 | 0.16 | 26.411 | 0.222 | 1503. | 2.7 |

STA 39 DAY: 13 TIME: 0602

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|
| 0.0 | 22.4 | 21.4 | 19.0 | 37.9 | 14.7 | 74.8 | 13.0 |
| 1.0 | 22.4 | 22.4 | 19.1 | 38.9 | 14.8 | 76.7 | 13.0 |
| 1.9 | 22.3 | 23.4 | 19.1 | 39.9 | 14.8 | 78.6 | 13.0 |
| 1.9 | 22.3 | 24.3 | 19.2 | 39.9 | 14.7 | 80.6 | 13.0 |
| 1.9 | 22.2 | 25.3 | 19.2 | 39.9 | 14.6 | 83.5 | 13.0 |
| 2.9 | 22.1 | 25.3 | 19.1 | 39.9 | 14.6 | 86.4 | 13.0 |
| 2.9 | 22.1 | 25.3 | 19.1 | 41.8 | 14.5 | 88.3 | 13.0 |
| 2.9 | 22.0 | 25.3 | 18.8 | 41.8 | 14.4 | 90.2 | 13.0 |
| 3.9 | 22.0 | 26.3 | 18.7 | 43.8 | 14.4 | 91.2 | 13.0 |
| 3.9 | 21.9 | 27.3 | 18.7 | 44.7 | 14.4 | | |
| 4.9 | 21.9 | 26.3 | 18.6 | 45.7 | 14.3 | | |
| 5.8 | 21.9 | 27.3 | 18.5 | 45.7 | 14.3 | | |
| 6.8 | 21.9 | 27.3 | 18.4 | 45.7 | 14.2 | | |
| 7.8 | 21.8 | 27.3 | 18.3 | 46.7 | 14.2 | | |
| 7.8 | 21.7 | 28.2 | 18.2 | 47.6 | 14.1 | | |
| 7.8 | 21.7 | 28.2 | 18.2 | 47.6 | 14.0 | | |
| 8.8 | 21.6 | 29.2 | 18.2 | 47.6 | 13.9 | | |
| 9.7 | 21.5 | 30.2 | 18.2 | 47.6 | 13.8 | | |
| 10.7 | 21.5 | 32.1 | 18.2 | 48.6 | 13.8 | | |
| 11.7 | 21.4 | 33.1 | 18.1 | 48.6 | 13.7 | | |
| 11.7 | 21.2 | 33.1 | 18.1 | 49.6 | 13.6 | | |
| 12.7 | 21.1 | 34.1 | 18.0 | 49.6 | 13.6 | | |
| 12.7 | 20.9 | 35.0 | 17.9 | 50.6 | 13.5 | | |
| 12.7 | 20.8 | 36.0 | 17.9 | 50.6 | 13.4 | | |
| 12.7 | 20.6 | 36.0 | 17.7 | 51.5 | 13.3 | | |
| 13.6 | 20.5 | 36.0 | 17.6 | 51.5 | 13.3 | | |
| 13.6 | 20.4 | 36.0 | 17.4 | 51.5 | 13.1 | | |
| 13.6 | 20.2 | 36.0 | 17.3 | 51.5 | 13.1 | | |
| 13.6 | 20.1 | 36.0 | 17.2 | 52.5 | 13.0 | | |
| 14.6 | 20.0 | 36.0 | 17.0 | 53.5 | 12.9 | | |
| 14.6 | 20.0 | 36.0 | 16.9 | 55.4 | 12.9 | | |
| 14.6 | 19.9 | 37.0 | 16.7 | 56.4 | 12.8 | | |
| 15.6 | 19.7 | 36.0 | 16.6 | 56.4 | 12.8 | | |
| 15.6 | 19.7 | 37.0 | 16.5 | 58.3 | 12.8 | | |
| 16.6 | 19.6 | 37.0 | 16.4 | 59.3 | 12.8 | | |
| 16.6 | 19.5 | 37.0 | 16.3 | 60.2 | 12.7 | | |
| 16.6 | 19.5 | 36.0 | 16.2 | 61.2 | 12.7 | | |
| 17.5 | 19.6 | 37.0 | 16.0 | 62.2 | 12.7 | | |
| 17.5 | 19.7 | 37.0 | 16.0 | 63.1 | 12.7 | | |
| 17.5 | 19.8 | 37.0 | 15.9 | 64.1 | 12.7 | | |
| 18.5 | 19.9 | 37.0 | 15.7 | 64.1 | 12.7 | | |
| 18.5 | 20.0 | 37.0 | 15.6 | 66.0 | 12.8 | | |
| 19.5 | 19.8 | 37.0 | 15.5 | 66.0 | 12.8 | | |
| 19.5 | 19.7 | 37.0 | 15.4 | 67.0 | 12.8 | | |
| 19.5 | 19.6 | 37.0 | 15.3 | 68.0 | 12.9 | | |
| 20.4 | 19.5 | 37.9 | 15.1 | 69.0 | 12.9 | | |
| 20.4 | 19.4 | 37.9 | 15.0 | 69.9 | 12.9 | | |
| 20.4 | 19.2 | 37.9 | 15.0 | 70.9 | 12.9 | | |
| 20.4 | 19.1 | 37.9 | 14.9 | 71.9 | 12.9 | | |
| 21.4 | 19.1 | 37.9 | 14.8 | 73.8 | 12.9 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 40 | 13 JUL 1982 | 0557 | 40°39.4'N | 67°45.7'W | 78 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.3 | 22.273 | 35.290 | 5.00 | 0.20 | 24.363 | 0.000 | 1528. | 7.9 |
| 4 | 4.2 | 22.260 | 35.282 | 5.00 | 0.19 | 24.360 | 0.007 | 1528. | 7.9 |
| 6 | 5.9 | 22.232 | 35.276 | 4.95 | 0.19 | 24.364 | 0.013 | 1528. | 7.9 |
| 8 | 8.1 | 22.033 | 35.213 | 4.98 | 0.19 | 24.372 | 0.021 | 1527. | 7.9 |
| 10 | 10.0 | 21.699 | 35.136 | 5.03 | 0.19 | 24.407 | 0.027 | 1526. | 7.9 |
| 12 | 12.0 | 21.237 | 34.992 | 5.14 | 0.19 | 24.425 | 0.035 | 1525. | 9.6 |
| 14 | 13.9 | 20.425 | 34.776 | 5.30 | 0.20 | 24.479 | 0.041 | 1523. | 11.0 |
| 16 | 16.1 | 19.047 | 34.434 | 5.55 | 0.20 | 24.578 | 0.049 | 1518. | 11.9 |
| 18 | 17.9 | 18.149 | 34.316 | 5.77 | 0.19 | 24.713 | 0.054 | 1516. | 12.5 |
| 20 | 20.1 | 17.689 | 34.347 | 5.94 | 0.19 | 24.849 | 0.061 | 1514. | 12.7 |
| 22 | 21.9 | 17.378 | 34.389 | 6.02 | 0.19 | 24.956 | 0.067 | 1514. | 12.4 |
| 24 | 24.0 | 16.901 | 34.321 | 6.07 | 0.20 | 25.018 | 0.073 | 1512. | 12.0 |
| 26 | 25.9 | 16.195 | 34.258 | 6.21 | 0.21 | 25.133 | 0.079 | 1510. | 11.9 |
| 28 | 28.0 | 16.146 | 34.309 | 6.23 | 0.22 | 25.184 | 0.085 | 1510. | 11.9 |
| 30 | 30.1 | 15.922 | 34.308 | 6.24 | 0.22 | 25.234 | 0.090 | 1509. | 12.0 |
| 32 | 31.9 | 15.082 | 34.198 | 6.42 | 0.25 | 25.336 | 0.095 | 1507. | 11.9 |
| 34 | 34.1 | 14.446 | 34.240 | 6.47 | 0.26 | 25.507 | 0.101 | 1505. | 11.4 |
| 36 | 35.9 | 14.245 | 34.301 | 6.45 | 0.26 | 25.596 | 0.105 | 1504. | 10.9 |
| 38 | 38.0 | 14.029 | 34.326 | 6.45 | 0.26 | 25.661 | 0.110 | 1503. | 10.0 |
| 40 | 40.0 | 13.960 | 34.349 | 6.36 | 0.26 | 25.693 | 0.115 | 1503. | 8.7 |
| 42 | 42.1 | 13.901 | 34.355 | 6.27 | 0.26 | 25.710 | 0.119 | 1503. | 7.9 |
| 44 | 44.0 | 13.729 | 34.334 | 6.21 | 0.27 | 25.729 | 0.124 | 1503. | 7.9 |
| 46 | 46.1 | 13.581 | 34.330 | 6.17 | 0.26 | 25.757 | 0.129 | 1502. | 8.2 |
| 48 | 48.0 | 13.402 | 34.333 | 6.11 | 0.25 | 25.796 | 0.133 | 1502. | 8.4 |
| 50 | 50.0 | 12.977 | 34.355 | 6.12 | 0.21 | 25.898 | 0.137 | 1500. | 8.3 |
| 52 | 52.0 | 12.905 | 34.406 | 5.89 | 0.19 | 25.952 | 0.141 | 1500. | 8.0 |
| 53 | 53.9 | 12.849 | 34.439 | 5.70 | 0.19 | 25.989 | 0.145 | 1500. | 7.4 |
| 56 | 56.0 | 12.838 | 34.447 | 5.58 | 0.19 | 25.997 | 0.149 | 1500. | 6.5 |
| 57 | 58.0 | 12.798 | 34.446 | 5.51 | 0.19 | 26.005 | 0.153 | 1500. | 5.2 |
| 60 | 60.0 | 12.805 | 34.467 | 5.46 | 0.20 | 26.019 | 0.157 | 1500. | 4.5 |
| 61 | 61.3 | 12.806 | 34.469 | 5.49 | 0.19 | 26.021 | 0.160 | 1500. | 4.1 |
| 62 | 62.0 | 12.796 | 34.473 | 5.49 | 0.20 | 26.025 | 0.161 | 1500. | 4.4 |
| 63 | 63.0 | 12.765 | 34.477 | 5.49 | 0.20 | 26.035 | 0.163 | 1500. | 4.7 |
| 63 | 64.0 | 12.763 | 34.482 | 5.44 | 0.19 | 26.039 | 0.165 | 1500. | 4.8 |
| 65 | 65.0 | 12.739 | 34.490 | 5.42 | 0.19 | 26.050 | 0.167 | 1500. | 4.9 |
| 66 | 66.0 | 12.708 | 34.498 | 5.43 | 0.20 | 26.063 | 0.169 | 1500. | 4.6 |
| 66 | 67.0 | 12.694 | 34.501 | 5.44 | 0.19 | 26.068 | 0.171 | 1500. | 4.1 |
| 67 | 67.9 | 12.685 | 34.502 | 5.44 | 0.20 | 26.070 | 0.173 | 1500. | 3.7 |
| 68 | 69.0 | 12.676 | 34.504 | 5.41 | 0.20 | 26.074 | 0.175 | 1500. | 3.0 |
| 69 | 70.0 | 12.673 | 34.505 | 5.39 | 0.20 | 26.075 | 0.177 | 1500. | 2.3 |
| 70 | 71.0 | 12.670 | 34.505 | 5.41 | 0.20 | 26.075 | 0.179 | 1500. | 2.0 |
| 71 | 72.0 | 12.667 | 34.506 | 5.38 | 0.20 | 26.077 | 0.181 | 1500. | 1.7 |
| 72 | 73.0 | 12.660 | 34.505 | 5.41 | 0.20 | 26.078 | 0.183 | 1500. | 1.4 |
| 73 | 74.0 | 12.660 | 34.505 | 5.38 | 0.20 | 26.077 | 0.185 | 1500. | 1.2 |
| 74 | 75.0 | 12.658 | 34.505 | 5.38 | 0.20 | 26.078 | 0.187 | 1500. | 1.2 |
| 75 | 76.0 | 12.656 | 34.505 | 5.37 | 0.20 | 26.078 | 0.189 | 1500. | 1.2 |
| 76 | 77.0 | 12.651 | 34.505 | 5.38 | 0.20 | 26.079 | 0.191 | 1500. | 1.2 |
| 78 | 78.1 | 12.651 | 34.503 | 5.35 | 0.20 | 26.078 | 0.193 | 1500. | 1.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 41 | 13 JUL 1982 | 0834 | 40°40.0'N | 67°51.0'W | 95 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cpn |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.4 | 22.313 | 35.282 | 5.06 | 0.20 | 24.345 | 0.000 | 1528. | 11.1 |
| 4 | 4.1 | 22.162 | 35.293 | 4.95 | 0.20 | 24.397 | 0.006 | 1528. | 11.1 |
| 6 | 5.9 | 21.803 | 35.278 | 5.06 | 0.21 | 24.486 | 0.012 | 1527. | 11.1 |
| 8 | 7.9 | 21.720 | 35.323 | 5.07 | 0.22 | 24.543 | 0.019 | 1527. | 11.1 |
| 10 | 10.1 | 21.734 | 35.407 | 5.11 | 0.22 | 24.603 | 0.027 | 1527. | 11.1 |
| 12 | 11.9 | 21.636 | 35.421 | 5.10 | 0.22 | 24.641 | 0.032 | 1527. | 11.1 |
| 14 | 14.1 | 21.189 | 35.499 | 5.17 | 0.22 | 24.823 | 0.040 | 1525. | 11.3 |
| 16 | 15.9 | 21.006 | 35.511 | 5.22 | 0.22 | 24.882 | 0.045 | 1525. | 11.6 |
| 18 | 18.0 | 20.840 | 35.528 | 5.24 | 0.22 | 24.941 | 0.051 | 1525. | 11.7 |
| 20 | 20.1 | 20.638 | 35.538 | 5.31 | 0.22 | 25.003 | 0.058 | 1524. | 11.8 |
| 22 | 22.1 | 20.152 | 35.540 | 5.40 | 0.22 | 25.135 | 0.064 | 1523. | 11.3 |
| 24 | 23.8 | 19.914 | 35.553 | 5.41 | 0.23 | 25.208 | 0.068 | 1522. | 11.1 |
| 26 | 26.0 | 19.617 | 35.557 | 5.44 | 0.24 | 25.289 | 0.074 | 1521. | 10.5 |
| 28 | 28.0 | 18.915 | 35.469 | 5.56 | 0.25 | 25.403 | 0.080 | 1519. | 9.9 |
| 30 | 30.0 | 18.749 | 35.448 | 5.50 | 0.25 | 25.429 | 0.085 | 1519. | 9.5 |
| 32 | 31.9 | 18.645 | 35.429 | 5.53 | 0.26 | 25.441 | 0.090 | 1519. | 9.2 |
| 34 | 34.0 | 18.525 | 35.414 | 5.46 | 0.27 | 25.459 | 0.095 | 1518. | 9.1 |
| 36 | 35.9 | 18.180 | 35.402 | 5.52 | 0.29 | 25.537 | 0.100 | 1517. | 9.1 |
| 38 | 38.1 | 17.840 | 35.436 | 5.55 | 0.29 | 25.646 | 0.105 | 1516. | 9.5 |
| 40 | 40.0 | 17.244 | 35.281 | 5.58 | 0.27 | 25.672 | 0.109 | 1515. | 9.9 |
| 41 | 41.8 | 16.600 | 35.149 | 5.52 | 0.25 | 25.724 | 0.113 | 1512. | 10.2 |
| 44 | 44.0 | 16.312 | 35.149 | 5.49 | 0.23 | 25.791 | 0.118 | 1512. | 10.7 |
| 46 | 46.1 | 15.933 | 35.124 | 5.54 | 0.21 | 25.859 | 0.123 | 1510. | 11.1 |
| 48 | 48.1 | 15.327 | 35.036 | 5.45 | 0.19 | 25.928 | 0.127 | 1509. | 11.2 |
| 49 | 49.8 | 14.800 | 34.988 | 5.39 | 0.18 | 26.007 | 0.131 | 1507. | 10.9 |
| 52 | 52.0 | 13.799 | 34.955 | 5.42 | 0.16 | 26.195 | 0.135 | 1504. | 10.3 |
| 54 | 54.0 | 13.682 | 34.973 | 5.37 | 0.15 | 26.233 | 0.138 | 1503. | 9.4 |
| 56 | 56.0 | 13.629 | 34.979 | 5.15 | 0.15 | 26.249 | 0.142 | 1503. | 8.2 |
| 58 | 58.2 | 13.578 | 34.978 | 5.11 | 0.15 | 26.259 | 0.146 | 1503. | 6.6 |
| 59 | 59.9 | 13.472 | 34.981 | 5.03 | 0.15 | 26.283 | 0.149 | 1503. | 4.5 |
| 62 | 62.1 | 13.445 | 34.986 | 4.97 | 0.16 | 26.292 | 0.153 | 1503. | 3.7 |
| 63 | 63.9 | 13.436 | 34.987 | 4.99 | 0.16 | 26.295 | 0.156 | 1503. | 3.2 |
| 66 | 66.0 | 13.426 | 34.989 | 5.02 | 0.16 | 26.298 | 0.160 | 1503. | 2.6 |
| 67 | 67.9 | 13.411 | 34.988 | 5.04 | 0.16 | 26.300 | 0.163 | 1503. | 1.9 |
| 69 | 69.9 | 13.407 | 34.988 | 4.95 | 0.17 | 26.302 | 0.166 | 1503. | 1.5 |
| 72 | 72.1 | 13.406 | 34.988 | 4.94 | 0.17 | 26.302 | 0.170 | 1503. | 1.5 |
| 73 | 74.0 | 13.406 | 34.988 | 5.03 | 0.17 | 26.302 | 0.173 | 1503. | 1.7 |
| 75 | 76.1 | 13.402 | 34.989 | 4.93 | 0.17 | 26.303 | 0.177 | 1503. | 1.8 |
| 77 | 78.0 | 13.398 | 34.990 | 4.96 | 0.17 | 26.305 | 0.180 | 1503. | 1.9 |
| 79 | 79.9 | 13.388 | 34.994 | 4.95 | 0.17 | 26.310 | 0.184 | 1503. | 2.0 |
| 81 | 81.2 | 13.382 | 34.997 | 4.95 | 0.18 | 26.314 | 0.186 | 1503. | 2.1 |
| 81 | 82.0 | 13.382 | 34.997 | 4.94 | 0.18 | 26.314 | 0.187 | 1503. | 2.1 |
| 82 | 83.0 | 13.382 | 34.997 | 4.94 | 0.18 | 26.314 | 0.189 | 1503. | 2.0 |
| 83 | 84.0 | 13.380 | 34.998 | 4.96 | 0.18 | 26.315 | 0.191 | 1503. | 1.7 |
| 84 | 85.0 | 13.378 | 34.999 | 4.98 | 0.18 | 26.316 | 0.192 | 1503. | 1.5 |
| 85 | 85.9 | 13.375 | 34.999 | 4.95 | 0.18 | 26.317 | 0.194 | 1503. | 1.5 |
| 86 | 87.0 | 13.373 | 35.000 | 4.93 | 0.18 | 26.318 | 0.196 | 1503. | 1.5 |
| 87 | 88.0 | 13.373 | 35.001 | 4.92 | 0.18 | 26.318 | 0.198 | 1503. | 1.3 |
| 88 | 89.0 | 13.374 | 35.000 | 4.95 | 0.18 | 26.318 | 0.199 | 1503. | 1.3 |
| 89 | 90.0 | 13.373 | 35.001 | 4.97 | 0.18 | 26.318 | 0.201 | 1503. | 1.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 41 | 13 JUL 1982 | 0834 | 40°40.0'N | 67°51.0'W | 95 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 90 | 91.0 | 13.371 | 35.001 | 4.90 | 0.18 | 26.319 | 0.203 | 1503. | 1.1 |
| 91 | 92.0 | 13.369 | 35.002 | 4.89 | 0.18 | 26.320 | 0.204 | 1503. | 1.1 |
| 92 | 93.0 | 13.369 | 35.002 | 4.93 | 0.18 | 26.320 | 0.206 | 1503. | 1.1 |
| 93 | 94.0 | 13.368 | 35.002 | 4.86 | 0.18 | 26.320 | 0.208 | 1503. | 1.1 |
| 94 | 94.5 | 13.368 | 35.002 | 4.84 | 0.18 | 26.320 | 0.209 | 1503. | 1.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 42 | 13 JUL 1982 | 1042 | 40°29.5'N | 67°49.0'W | 113 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.3 | 23.287 | 35.258 | 4.77 | 0.18 | 24.048 | 0.000 | 1530. | 12.9 |
| 4 | 4.2 | 23.332 | 35.262 | 4.80 | 0.18 | 24.038 | 0.007 | 1531. | 12.9 |
| 6 | 5.9 | 23.278 | 35.253 | 4.79 | 0.18 | 24.046 | 0.014 | 1531. | 12.9 |
| 8 | 8.0 | 22.757 | 35.200 | 4.89 | 0.18 | 24.156 | 0.022 | 1529. | 12.9 |
| 10 | 10.0 | 21.973 | 35.285 | 5.04 | 0.21 | 24.444 | 0.029 | 1527. | 12.9 |
| 12 | 12.0 | 21.668 | 35.307 | 5.10 | 0.23 | 24.545 | 0.036 | 1527. | 12.7 |
| 14 | 14.0 | 21.393 | 35.301 | 5.16 | 0.24 | 24.617 | 0.043 | 1526. | 12.0 |
| 16 | 16.0 | 21.239 | 35.343 | 5.20 | 0.24 | 24.691 | 0.049 | 1525. | 10.7 |
| 18 | 18.0 | 21.211 | 35.386 | 5.19 | 0.25 | 24.732 | 0.056 | 1525. | 9.6 |
| 20 | 20.1 | 21.213 | 35.404 | 5.19 | 0.24 | 24.745 | 0.062 | 1526. | 10.1 |
| 22 | 22.0 | 21.170 | 35.446 | 5.20 | 0.24 | 24.788 | 0.069 | 1526. | 10.6 |
| 24 | 24.0 | 21.020 | 35.483 | 5.21 | 0.24 | 24.858 | 0.075 | 1525. | 11.0 |
| 26 | 25.9 | 20.693 | 35.530 | 5.25 | 0.24 | 24.982 | 0.081 | 1524. | 11.1 |
| 28 | 27.9 | 20.197 | 35.558 | 5.30 | 0.25 | 25.136 | 0.087 | 1523. | 11.1 |
| 30 | 30.1 | 20.000 | 35.571 | 5.32 | 0.25 | 25.199 | 0.092 | 1523. | 10.6 |
| 32 | 31.9 | 19.868 | 35.570 | 5.36 | 0.25 | 25.233 | 0.098 | 1522. | 9.7 |
| 34 | 34.0 | 19.739 | 35.570 | 5.36 | 0.26 | 25.267 | 0.103 | 1522. | 8.7 |
| 36 | 36.0 | 19.543 | 35.561 | 5.37 | 0.26 | 25.311 | 0.109 | 1521. | 7.9 |
| 38 | 38.1 | 19.413 | 35.564 | 5.39 | 0.27 | 25.347 | 0.114 | 1521. | 7.9 |
| 40 | 39.9 | 19.284 | 35.565 | 5.37 | 0.28 | 25.381 | 0.119 | 1521. | 8.5 |
| 42 | 42.1 | 19.088 | 35.565 | 5.35 | 0.28 | 25.432 | 0.124 | 1520. | 9.1 |
| 44 | 43.9 | 18.955 | 35.560 | 5.37 | 0.28 | 25.462 | 0.129 | 1520. | 9.6 |
| 46 | 46.0 | 18.710 | 35.544 | 5.36 | 0.29 | 25.512 | 0.134 | 1519. | 10.0 |
| 48 | 48.0 | 17.812 | 35.403 | 5.51 | 0.27 | 25.628 | 0.139 | 1516. | 10.1 |
| 50 | 50.0 | 17.604 | 35.432 | 5.43 | 0.25 | 25.701 | 0.144 | 1516. | 10.1 |
| 52 | 52.0 | 17.414 | 35.471 | 5.40 | 0.24 | 25.777 | 0.148 | 1515. | 9.8 |
| 54 | 54.0 | 17.278 | 35.477 | 5.36 | 0.24 | 25.815 | 0.153 | 1515. | 9.4 |
| 56 | 56.0 | 17.061 | 35.472 | 5.33 | 0.24 | 25.863 | 0.157 | 1514. | 8.8 |
| 58 | 58.0 | 16.931 | 35.491 | 5.29 | 0.23 | 25.909 | 0.161 | 1514. | 8.6 |
| 59 | 59.9 | 16.910 | 35.510 | 5.19 | 0.23 | 25.928 | 0.165 | 1514. | 8.4 |
| 62 | 62.0 | 16.622 | 35.517 | 5.22 | 0.21 | 26.002 | 0.170 | 1513. | 8.2 |
| 63 | 64.0 | 16.086 | 35.407 | 5.28 | 0.19 | 26.042 | 0.174 | 1512. | 7.8 |
| 66 | 66.0 | 15.775 | 35.381 | 5.23 | 0.18 | 26.093 | 0.178 | 1511. | 7.4 |
| 67 | 67.9 | 15.705 | 35.399 | 5.16 | 0.18 | 26.123 | 0.181 | 1510. | 7.1 |
| 69 | 69.9 | 15.673 | 35.400 | 5.09 | 0.18 | 26.131 | 0.185 | 1510. | 6.8 |
| 71 | 72.1 | 15.620 | 35.417 | 5.04 | 0.18 | 26.156 | 0.189 | 1510. | 6.8 |
| 73 | 73.9 | 15.667 | 35.454 | 5.04 | 0.18 | 26.174 | 0.193 | 1511. | 7.4 |
| 75 | 76.0 | 15.574 | 35.479 | 5.01 | 0.18 | 26.214 | 0.196 | 1510. | 8.0 |
| 77 | 78.0 | 15.344 | 35.479 | 5.02 | 0.17 | 26.266 | 0.200 | 1510. | 8.5 |
| 79 | 79.9 | 15.022 | 35.430 | 5.03 | 0.16 | 26.299 | 0.203 | 1509. | 8.7 |
| 81 | 82.1 | 14.664 | 35.455 | 5.02 | 0.14 | 26.397 | 0.207 | 1507. | 8.6 |
| 83 | 84.0 | 14.630 | 35.492 | 4.92 | 0.13 | 26.434 | 0.210 | 1507. | 8.3 |
| 85 | 86.0 | 14.374 | 35.473 | 4.88 | 0.13 | 26.474 | 0.213 | 1507. | 7.8 |
| 87 | 87.9 | 14.274 | 35.473 | 4.83 | 0.12 | 26.495 | 0.216 | 1506. | 7.4 |
| 89 | 90.1 | 14.203 | 35.495 | 4.76 | 0.12 | 26.528 | 0.220 | 1506. | 6.7 |
| 91 | 92.0 | 14.135 | 35.506 | 4.76 | 0.11 | 26.550 | 0.223 | 1506. | 6.3 |
| 93 | 94.0 | 14.005 | 35.501 | 4.75 | 0.11 | 26.574 | 0.225 | 1506. | 6.1 |
| 95 | 96.0 | 13.728 | 35.467 | 4.75 | 0.11 | 26.606 | 0.228 | 1505. | 5.9 |
| 97 | 98.1 | 13.644 | 35.467 | 4.71 | 0.11 | 26.623 | 0.231 | 1504. | 5.5 |
| 99 | 99.9 | 13.562 | 35.457 | 4.70 | 0.11 | 26.633 | 0.234 | 1504. | 5.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 42 | 13 JUL 1982 | 1042 | 40°29.5'N | 67°49.0'W | 113 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 100 | 101.3 | 13.444 | 35.441 | 4.64 | 0.11 | 26.645 | 0.236 | 1504. | 5.2 |
| 101 | 102.0 | 13.454 | 35.444 | 4.63 | 0.12 | 26.645 | 0.237 | 1504. | 5.7 |
| 102 | 102.9 | 13.444 | 35.445 | 4.63 | 0.12 | 26.648 | 0.238 | 1504. | 6.7 |
| 103 | 103.9 | 13.438 | 35.453 | 4.65 | 0.12 | 26.655 | 0.240 | 1504. | 7.4 |
| 104 | 105.0 | 13.204 | 35.433 | 4.66 | 0.12 | 26.688 | 0.241 | 1503. | 7.7 |
| 105 | 106.0 | 12.841 | 35.396 | 4.71 | 0.13 | 26.732 | 0.243 | 1502. | 7.6 |
| 106 | 107.0 | 12.723 | 35.387 | 4.69 | 0.14 | 26.749 | 0.244 | 1501. | 7.2 |
| 107 | 107.9 | 12.696 | 35.390 | 4.59 | 0.14 | 26.756 | 0.245 | 1501. | 6.4 |
| 108 | 109.0 | 12.645 | 35.384 | 4.53 | 0.15 | 26.762 | 0.247 | 1501. | 5.2 |
| 109 | 110.0 | 12.619 | 35.381 | 4.53 | 0.15 | 26.765 | 0.248 | 1501. | 5.2 |
| 110 | 111.0 | 12.607 | 35.381 | 4.37 | 0.15 | 26.767 | 0.249 | 1501. | 5.2 |
| 111 | 112.0 | 12.592 | 35.380 | 4.36 | 0.15 | 26.770 | 0.250 | 1501. | 5.2 |
| 112 | 112.5 | 12.613 | 35.384 | 4.31 | 0.15 | 26.769 | 0.251 | 1501. | 5.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 43 | 13 JUL 1982 | 1124 | 40°25.6'N | 67°47.3'W | 150 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.0 | 23.455 | 35.221 | 4.77 | 0.18 | 23.971 | 0.000 | 1531. | 9.9 |
| 4 | 3.9 | 23.427 | 35.220 | 4.78 | 0.18 | 23.978 | 0.007 | 1531. | 9.9 |
| 6 | 6.0 | 23.425 | 35.224 | 4.81 | 0.18 | 23.982 | 0.016 | 1531. | 9.9 |
| 8 | 8.0 | 22.366 | 35.223 | 4.85 | 0.19 | 23.998 | 0.023 | 1531. | 9.9 |
| 10 | 10.0 | 23.314 | 35.230 | 4.84 | 0.18 | 24.019 | 0.031 | 1531. | 9.9 |
| 12 | 12.0 | 23.005 | 35.245 | 4.88 | 0.18 | 24.119 | 0.039 | 1530. | 10.4 |
| 14 | 13.9 | 22.500 | 35.369 | 4.93 | 0.19 | 24.358 | 0.046 | 1529. | 10.5 |
| 16 | 16.0 | 22.517 | 35.374 | 4.99 | 0.19 | 24.357 | 0.053 | 1529. | 9.9 |
| 18 | 18.0 | 22.048 | 35.265 | 5.03 | 0.20 | 24.407 | 0.061 | 1528. | 8.9 |
| 20 | 20.0 | 21.971 | 35.272 | 5.07 | 0.21 | 24.434 | 0.068 | 1527. | 9.0 |
| 22 | 22.0 | 21.964 | 35.278 | 5.07 | 0.21 | 24.440 | 0.074 | 1527. | 9.5 |
| 24 | 24.0 | 21.939 | 35.270 | 5.13 | 0.21 | 24.441 | 0.082 | 1527. | 11.0 |
| 26 | 26.0 | 21.676 | 35.213 | 5.10 | 0.21 | 24.471 | 0.088 | 1527. | 11.9 |
| 28 | 28.0 | 20.880 | 35.291 | 5.26 | 0.22 | 24.750 | 0.095 | 1525. | 13.0 |
| 30 | 30.0 | 20.591 | 35.382 | 5.29 | 0.22 | 24.897 | 0.101 | 1524. | 13.8 |
| 32 | 32.0 | 20.477 | 35.435 | 5.28 | 0.22 | 24.968 | 0.107 | 1524. | 14.1 |
| 34 | 34.0 | 20.404 | 35.503 | 5.28 | 0.22 | 25.039 | 0.113 | 1524. | 14.8 |
| 36 | 35.9 | 20.042 | 35.598 | 5.32 | 0.23 | 25.208 | 0.119 | 1523. | 14.8 |
| 38 | 38.1 | 19.579 | 35.593 | 5.39 | 0.26 | 25.326 | 0.125 | 1522. | 14.9 |
| 40 | 39.9 | 19.154 | 35.582 | 5.42 | 0.28 | 25.428 | 0.129 | 1520. | 15.0 |
| 42 | 42.0 | 17.773 | 35.570 | 5.57 | 0.33 | 25.766 | 0.134 | 1516. | 14.9 |
| 44 | 44.1 | 17.209 | 35.535 | 5.56 | 0.33 | 25.876 | 0.139 | 1515. | 14.2 |
| 46 | 45.9 | 17.129 | 35.541 | 5.42 | 0.32 | 25.900 | 0.143 | 1515. | 13.4 |
| 48 | 48.0 | 16.541 | 35.497 | 5.47 | 0.30 | 26.005 | 0.147 | 1513. | 12.3 |
| 50 | 50.0 | 15.862 | 35.470 | 5.50 | 0.24 | 26.142 | 0.151 | 1511. | 10.5 |
| 52 | 52.0 | 15.659 | 35.470 | 5.31 | 0.21 | 26.188 | 0.155 | 1510. | 9.8 |
| 54 | 54.0 | 15.349 | 35.451 | 5.23 | 0.19 | 26.243 | 0.158 | 1509. | 9.0 |
| 56 | 56.0 | 15.164 | 35.450 | 5.18 | 0.18 | 26.278 | 0.162 | 1509. | 7.6 |
| 58 | 58.0 | 15.129 | 35.452 | 5.08 | 0.18 | 26.293 | 0.165 | 1509. | 6.2 |
| 60 | 60.0 | 15.009 | 35.448 | 5.02 | 0.18 | 26.317 | 0.169 | 1508. | 5.4 |
| 61 | 62.0 | 14.919 | 35.438 | 5.02 | 0.17 | 26.329 | 0.172 | 1508. | 4.7 |
| 64 | 64.1 | 14.866 | 35.437 | 5.02 | 0.17 | 26.339 | 0.176 | 1508. | 4.4 |
| 66 | 66.1 | 14.888 | 35.439 | 5.03 | 0.17 | 26.336 | 0.179 | 1508. | 4.4 |
| 67 | 67.8 | 14.767 | 35.424 | 5.04 | 0.17 | 26.351 | 0.182 | 1508. | 4.6 |
| 69 | 70.0 | 14.643 | 35.415 | 4.94 | 0.17 | 26.371 | 0.186 | 1507. | 5.1 |
| 71 | 71.9 | 14.583 | 35.415 | 5.01 | 0.16 | 26.384 | 0.189 | 1507. | 5.3 |
| 73 | 74.1 | 14.478 | 35.411 | 4.97 | 0.16 | 26.403 | 0.192 | 1507. | 5.3 |
| 75 | 75.9 | 14.330 | 35.402 | 5.00 | 0.15 | 26.428 | 0.195 | 1506. | 5.0 |
| 77 | 78.0 | 14.180 | 35.402 | 4.95 | 0.14 | 26.460 | 0.199 | 1506. | 4.4 |
| 79 | 79.9 | 14.178 | 35.404 | 4.95 | 0.14 | 26.462 | 0.202 | 1506. | 3.8 |
| 81 | 82.1 | 14.184 | 35.405 | 4.90 | 0.14 | 26.462 | 0.205 | 1506. | 2.9 |
| 83 | 83.8 | 14.200 | 35.409 | 4.91 | 0.14 | 26.462 | 0.208 | 1506. | 1.9 |
| 85 | 86.0 | 14.206 | 35.409 | 4.83 | 0.14 | 26.460 | 0.211 | 1506. | 2.5 |
| 87 | 88.0 | 14.194 | 35.407 | 4.89 | 0.14 | 26.461 | 0.215 | 1506. | 4.2 |
| 89 | 90.0 | 14.199 | 35.407 | 4.90 | 0.14 | 26.460 | 0.218 | 1506. | 5.2 |
| 91 | 92.1 | 14.171 | 35.404 | 4.88 | 0.14 | 26.464 | 0.221 | 1506. | 5.8 |
| 93 | 93.9 | 13.817 | 35.379 | 4.85 | 0.14 | 26.519 | 0.224 | 1505. | 6.3 |
| 95 | 96.0 | 13.575 | 35.398 | 4.81 | 0.12 | 26.584 | 0.227 | 1504. | 6.5 |
| 97 | 98.0 | 13.559 | 35.404 | 4.78 | 0.12 | 26.593 | 0.230 | 1504. | 6.7 |
| 99 | 100.0 | 13.467 | 35.396 | 4.79 | 0.12 | 26.605 | 0.233 | 1504. | 6.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 43 | 13 JUL 1982 | 1124 | 40°25.6'N | 67°47.3'W | 150 |

| DEPTH<br>m | PRESS<br>dbar | TEMP<br>°C | SALIN<br>psu | OXY<br>ml/l | ATN<br>$m^{-1}$ | SIGT<br>$gm/cm^3$ | DYHT A<br>$10m^2/s^2$ | S SPD<br>m/s | N<br>cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 13.414 | 35.409 | 4.62 | 0.11 | 26.626 | 0.236 | 1504. | 6.2 |
| 103 | 103.9 | 13.401 | 35.432 | 4.71 | 0.11 | 26.647 | 0.238 | 1504. | 5.8 |
| 105 | 106.0 | 13.193 | 35.437 | 4.69 | 0.11 | 26.693 | 0.241 | 1503. | 5.9 |
| 107 | 108.0 | 13.156 | 35.451 | 4.63 | 0.11 | 26.711 | 0.244 | 1503. | 6.1 |
| 109 | 110.0 | 13.048 | 35.437 | 4.64 | 0.11 | 26.723 | 0.247 | 1503. | 6.1 |
| 111 | 112.0 | 12.956 | 35.430 | 4.52 | 0.12 | 26.735 | 0.249 | 1502. | 6.0 |
| 113 | 114.1 | 12.839 | 35.434 | 4.52 | 0.11 | 26.762 | 0.252 | 1502. | 5.6 |
| 115 | 116.0 | 12.726 | 35.455 | 4.55 | 0.11 | 26.802 | 0.255 | 1502. | 5.4 |
| 117 | 118.1 | 12.893 | 35.531 | 4.44 | 0.10 | 26.826 | 0.257 | 1502. | 5.1 |
| 119 | 119.9 | 12.932 | 35.547 | 4.43 | 0.10 | 26.831 | 0.259 | 1503. | 4.6 |
| 121 | 122.0 | 12.876 | 35.537 | 4.40 | 0.10 | 26.835 | 0.262 | 1502. | 4.1 |
| 123 | 124.1 | 12.816 | 35.528 | 4.40 | 0.10 | 26.840 | 0.265 | 1502. | 3.9 |
| 125 | 126.1 | 12.658 | 35.492 | 4.39 | 0.10 | 26.843 | 0.267 | 1502. | 4.0 |
| 127 | 127.9 | 12.567 | 35.479 | 4.35 | 0.11 | 26.851 | 0.269 | 1501. | 4.2 |
| 129 | 130.0 | 12.416 | 35.471 | 4.37 | 0.11 | 26.874 | 0.272 | 1501. | 4.3 |
| 131 | 132.0 | 12.342 | 35.475 | 4.38 | 0.11 | 26.893 | 0.274 | 1501. | 4.3 |
| 133 | 134.0 | 12.307 | 35.484 | 4.30 | 0.12 | 26.906 | 0.277 | 1501. | 4.4 |
| 135 | 136.1 | 12.295 | 35.484 | 4.25 | 0.12 | 26.909 | 0.279 | 1501. | 4.4 |
| 137 | 137.9 | 12.269 | 35.483 | 4.24 | 0.12 | 26.913 | 0.281 | 1501. | 4.3 |
| 139 | 140.1 | 12.156 | 35.473 | 4.20 | 0.13 | 26.927 | 0.284 | 1500. | 4.4 |
| 140 | 141.2 | 12.071 | 35.467 | 4.23 | 0.13 | 26.939 | 0.285 | 1500. | 4.6 |
| 141 | 142.0 | 12.006 | 35.465 | 4.25 | 0.13 | 26.950 | 0.286 | 1500. | 5.1 |
| 142 | 143.0 | 11.943 | 35.463 | 4.18 | 0.13 | 26.960 | 0.287 | 1500. | 5.5 |
| 143 | 144.0 | 11.925 | 35.463 | 4.11 | 0.13 | 26.964 | 0.288 | 1499. | 5.4 |
| 144 | 145.0 | 11.888 | 35.460 | 4.13 | 0.12 | 26.969 | 0.289 | 1499. | 5.1 |
| 145 | 146.1 | 11.719 | 35.444 | 4.11 | 0.12 | 26.988 | 0.291 | 1499. | 4.7 |
| 146 | 146.9 | 11.700 | 35.449 | 4.10 | 0.12 | 26.996 | 0.291 | 1499. | 4.7 |
| 147 | 148.0 | 11.682 | 35.446 | 4.02 | 0.12 | 26.997 | 0.293 | 1499. | 4.7 |
| 148 | 149.1 | 11.664 | 35.443 | 4.06 | 0.12 | 26.998 | 0.294 | 1499. | 4.7 |
| 148 | 149.5 | 11.656 | 35.442 | 4.01 | 0.13 | 26.999 | 0.294 | 1499. | 4.7 |

STA 44 DAY: 13 TIME: 1253

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 23.8 | 27.3 | 19.0 | 51.5 | 16.5 | 71.9 | 12.9 | 122.0 | 12.9 |
| 1.9 | 23.8 | 28.2 | 18.9 | 51.5 | 16.4 | 72.8 | 12.8 | 123.0 | 12.9 |
| 2.9 | 23.7 | 29.2 | 19.0 | 52.5 | 16.3 | 72.8 | 12.8 | 124.9 | 12.8 |
| 3.9 | 23.7 | 29.2 | 19.0 | 52.5 | 16.2 | 72.8 | 12.7 | 125.9 | 12.8 |
| 4.9 | 23.6 | 30.2 | 19.1 | 52.5 | 16.1 | 73.8 | 12.7 | 126.8 | 12.8 |
| 4.9 | 23.6 | 31.1 | 19.2 | 52.5 | 16.0 | 74.8 | 12.7 | 128.7 | 12.7 |
| 6.8 | 23.6 | 31.1 | 19.2 | 52.5 | 15.9 | 75.7 | 12.6 | 129.7 | 12.7 |
| 7.8 | 23.6 | 32.1 | 19.3 | 53.5 | 15.8 | 77.7 | 12.6 | 130.7 | 12.7 |
| 8.8 | 23.5 | 33.1 | 19.3 | 53.5 | 15.8 | 78.6 | 12.5 | 132.6 | 12.7 |
| 8.8 | 23.5 | 33.1 | 19.3 | 53.5 | 15.7 | 80.6 | 12.5 | 133.5 | 12.7 |
| 9.7 | 23.4 | 33.1 | 19.4 | 54.4 | 15.6 | 82.5 | 12.5 | 134.5 | 12.8 |
| 10.7 | 23.4 | 34.1 | 19.5 | 54.4 | 15.5 | 83.5 | 12.6 | 135.5 | 12.9 |
| 11.7 | 23.3 | 34.1 | 19.6 | 54.4 | 15.5 | 83.5 | 12.7 | 136.4 | 13.0 |
| 11.7 | 23.2 | 34.1 | 19.6 | 54.4 | 15.4 | 84.4 | 12.8 | 137.4 | 13.1 |
| 12.7 | 23.1 | 35.0 | 19.6 | 55.4 | 15.4 | 84.4 | 12.9 | 137.4 | 13.2 |
| 12.7 | 23.0 | 36.0 | 19.6 | 55.4 | 15.3 | 84.4 | 13.0 | 137.4 | 13.3 |
| 13.6 | 22.9 | 36.0 | 19.6 | 55.4 | 15.3 | 84.4 | 13.0 | 138.3 | 13.4 |
| 14.6 | 22.8 | 36.0 | 19.5 | 56.4 | 15.3 | 85.4 | 13.1 | 139.3 | 13.5 |
| 14.6 | 22.7 | 37.0 | 19.5 | 57.3 | 15.2 | 86.4 | 13.1 | 140.3 | 13.6 |
| 14.6 | 22.6 | 37.0 | 19.4 | 58.3 | 15.2 | 86.4 | 13.1 | 140.3 | 13.8 |
| 14.6 | 22.5 | 37.0 | 19.3 | 59.3 | 15.0 | 87.3 | 13.2 | 141.2 | 13.9 |
| 14.6 | 22.4 | 37.9 | 19.2 | 59.3 | 14.9 | 88.3 | 13.2 | 141.2 | 14.0 |
| 14.6 | 22.3 | 37.9 | 19.1 | 59.3 | 14.8 | 90.2 | 13.2 | 142.2 | 14.1 |
| 15.6 | 22.2 | 37.9 | 19.0 | 59.3 | 14.7 | 91.2 | 13.3 | 143.1 | 14.2 |
| 15.6 | 22.1 | 37.9 | 18.9 | 59.3 | 14.6 | 93.1 | 13.3 | 143.1 | 14.3 |
| 14.6 | 21.9 | 38.9 | 18.8 | 60.2 | 14.5 | 94.1 | 13.3 | 144.1 | 14.4 |
| 15.6 | 21.7 | 38.9 | 18.6 | 60.2 | 14.4 | 96.0 | 13.3 | 145.1 | 14.5 |
| 15.6 | 21.6 | 39.9 | 18.6 | 60.2 | 14.3 | 97.0 | 13.3 | 146.0 | 14.5 |
| 15.6 | 21.5 | 40.9 | 18.5 | 61.2 | 14.2 | 97.9 | 13.3 | 147.0 | 14.5 |
| 15.6 | 21.2 | 40.9 | 18.4 | 61.2 | 14.2 | 98.9 | 13.3 | 148.9 | 14.5 |
| 15.6 | 21.0 | 41.8 | 18.2 | 62.2 | 14.2 | 99.9 | 13.3 | 149.9 | 14.6 |
| 16.6 | 20.9 | 41.8 | 18.1 | 62.2 | 14.1 | 100.8 | 13.3 | 150.8 | 14.7 |
| 15.6 | 20.8 | 42.8 | 18.0 | 62.2 | 14.0 | 101.8 | 13.3 | 151.8 | 14.7 |
| 16.6 | 20.6 | 42.8 | 17.9 | 62.2 | 13.9 | 102.8 | 13.2 | 152.7 | 14.8 |
| 16.6 | 20.5 | 43.8 | 17.9 | 63.1 | 13.9 | 103.7 | 13.2 | 153.7 | 14.8 |
| 16.6 | 20.4 | 44.7 | 17.8 | 63.1 | 13.7 | 105.6 | 13.2 | 155.6 | 14.9 |
| 16.6 | 20.3 | 44.7 | 17.6 | 63.1 | 13.6 | 106.6 | 13.2 | | |
| 18.5 | 20.3 | 45.7 | 17.5 | 64.1 | 13.6 | 107.6 | 13.1 | | |
| 19.5 | 20.3 | 45.7 | 17.4 | 65.1 | 13.5 | 108.5 | 13.1 | | |
| 21.4 | 20.2 | 45.7 | 17.3 | 66.0 | 13.5 | 109.5 | 13.1 | | |
| 22.4 | 20.1 | 46.7 | 17.2 | 67.0 | 13.4 | 110.5 | 13.0 | | |
| 22.4 | 20.0 | 47.6 | 17.2 | 67.0 | 13.3 | 112.4 | 13.1 | | |
| 23.4 | 20.0 | 47.6 | 17.1 | 68.0 | 13.3 | 114.3 | 13.0 | | |
| 24.3 | 19.9 | 48.6 | 17.0 | 68.0 | 13.2 | 115.3 | 13.1 | | |
| 25.3 | 19.8 | 48.6 | 17.0 | 69.0 | 13.2 | 116.2 | 13.0 | | |
| 25.3 | 19.7 | 49.6 | 16.9 | 69.9 | 13.1 | 117.2 | 13.0 | | |
| 25.3 | 19.6 | 49.6 | 16.8 | 69.9 | 13.1 | 118.2 | 12.9 | | |
| 26.3 | 19.5 | 49.6 | 16.7 | 69.9 | 13.0 | 119.1 | 12.9 | | |
| 27.3 | 19.2 | 50.6 | 16.6 | 70.9 | 13.0 | 120.1 | 12.9 | | |
| 27.3 | 19.1 | 50.6 | 16.5 | 71.9 | 12.9 | 121.1 | 12.9 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 45 | 13 JUL 1982 | 1210 | 40°21.3'N | 67°45.7'W | 193 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.0 | 23.797 | 35.108 | 4.84 | 0.17 | 23.785 | 0.000 | 1532. | 4.0 |
| 4 | 4.2 | 23.803 | 35.109 | 4.86 | 0.17 | 23.784 | 0.009 | 1532. | 4.0 |
| 6 | 5.8 | 23.785 | 35.108 | 4.82 | 0.16 | 23.788 | 0.016 | 1532. | 4.0 |
| 8 | 8.1 | 23.764 | 35.109 | 4.81 | 0.16 | 23.795 | 0.025 | 1532. | 4.0 |
| 10 | 9.8 | 23.750 | 35.108 | 4.80 | 0.17 | 23.799 | 0.032 | 1532. | 4.0 |
| 12 | 12.1 | 23.737 | 35.108 | 4.77 | 0.17 | 23.802 | 0.042 | 1532. | 5.4 |
| 14 | 14.0 | 23.708 | 35.100 | 4.80 | 0.17 | 23.805 | 0.049 | 1532. | 8.7 |
| 16 | 16.0 | 23.598 | 35.074 | 4.79 | 0.17 | 23.817 | 0.057 | 1531. | 12.3 |
| 18 | 18.0 | 23.097 | 34.986 | 4.89 | 0.18 | 23.896 | 0.066 | 1530. | 15.8 |
| 20 | 20.0 | 22.731 | 34.940 | 4.93 | 0.18 | 23.967 | 0.074 | 1529. | 18.3 |
| 22 | 22.0 | 20.939 | 34.752 | 5.23 | 0.18 | 24.323 | 0.081 | 1524. | 19.5 |
| 24 | 23.9 | 19.398 | 34.752 | 5.46 | 0.19 | 24.731 | 0.088 | 1520. | 19.9 |
| 26 | 26.0 | 18.183 | 34.945 | 5.63 | 0.20 | 25.186 | 0.094 | 1517. | 19.4 |
| 28 | 28.0 | 18.047 | 35.127 | 5.62 | 0.24 | 25.358 | 0.099 | 1517. | 18.0 |
| 30 | 30.0 | 17.978 | 35.190 | 5.57 | 0.26 | 25.424 | 0.104 | 1516. | 15.7 |
| 32 | 32.1 | 17.773 | 35.263 | 5.55 | 0.35 | 25.530 | 0.110 | 1516. | 13.2 |
| 34 | 33.9 | 17.598 | 35.275 | 5.53 | 0.41 | 25.583 | 0.114 | 1515. | 11.1 |
| 36 | 36.1 | 17.284 | 35.270 | 5.45 | 0.50 | 25.655 | 0.119 | 1515. | 10.8 |
| 38 | 38.0 | 16.986 | 35.286 | 5.44 | 0.57 | 25.738 | 0.124 | 1514. | 11.1 |
| 40 | 39.9 | 16.859 | 35.311 | 5.35 | 0.56 | 25.787 | 0.128 | 1513. | 10.9 |
| 42 | 42.1 | 16.845 | 35.385 | 5.17 | 0.48 | 25.848 | 0.133 | 1513. | 10.8 |
| 44 | 44.0 | 16.899 | 35.560 | 5.00 | 0.35 | 25.969 | 0.137 | 1514. | 10.8 |
| 46 | 46.0 | 17.173 | 35.800 | 4.69 | 0.22 | 26.088 | 0.141 | 1515. | 10.7 |
| 48 | 48.1 | 17.186 | 35.807 | 4.41 | 0.19 | 26.090 | 0.145 | 1515. | 10.3 |
| 50 | 49.9 | 17.206 | 35.881 | 4.22 | 0.18 | 26.142 | 0.148 | 1515. | 9.6 |
| 52 | 52.1 | 17.124 | 36.004 | 4.09 | 0.13 | 26.256 | 0.152 | 1515. | 9.0 |
| 53 | 53.9 | 17.010 | 36.005 | 3.91 | 0.12 | 26.284 | 0.155 | 1515. | 8.7 |
| 56 | 56.0 | 17.039 | 36.051 | 3.78 | 0.11 | 26.313 | 0.159 | 1515. | 8.6 |
| 58 | 58.0 | 16.934 | 36.043 | 3.76 | 0.11 | 26.332 | 0.162 | 1515. | 7.9 |
| 59 | 59.9 | 16.569 | 36.018 | 3.81 | 0.11 | 26.399 | 0.166 | 1514. | 7.3 |
| 62 | 62.0 | 16.197 | 35.981 | 3.85 | 0.10 | 26.458 | 0.169 | 1513. | 7.0 |
| 64 | 64.1 | 16.165 | 35.984 | 3.93 | 0.10 | 26.468 | 0.172 | 1512. | 6.7 |
| 65 | 65.9 | 16.118 | 35.970 | 4.01 | 0.10 | 26.468 | 0.175 | 1512. | 6.4 |
| 68 | 68.0 | 15.400 | 35.813 | 4.09 | 0.10 | 26.511 | 0.178 | 1510. | 5.9 |
| 70 | 70.1 | 15.101 | 35.733 | 4.21 | 0.11 | 26.516 | 0.181 | 1509. | 5.8 |
| 71 | 72.0 | 14.966 | 35.730 | 4.34 | 0.11 | 26.543 | 0.184 | 1509. | 5.9 |
| 73 | 74.0 | 14.747 | 35.699 | 4.35 | 0.11 | 26.568 | 0.187 | 1508. | 5.8 |
| 75 | 76.0 | 14.458 | 35.655 | 4.44 | 0.11 | 26.596 | 0.190 | 1507. | 5.5 |
| 77 | 78.0 | 14.288 | 35.635 | 4.48 | 0.10 | 26.618 | 0.193 | 1506. | 5.5 |
| 79 | 80.0 | 14.206 | 35.623 | 4.52 | 0.10 | 26.626 | 0.196 | 1506. | 5.3 |
| 81 | 82.0 | 14.125 | 35.613 | 4.54 | 0.10 | 26.635 | 0.199 | 1506. | 5.1 |
| 83 | 83.9 | 13.920 | 35.578 | 4.53 | 0.10 | 26.651 | 0.202 | 1505. | 4.9 |
| 85 | 86.1 | 13.673 | 35.550 | 4.59 | 0.10 | 26.682 | 0.205 | 1504. | 4.7 |
| 87 | 87.9 | 13.798 | 35.598 | 4.66 | 0.09 | 26.693 | 0.207 | 1505. | 4.6 |
| 89 | 90.0 | 13.874 | 35.624 | 4.57 | 0.09 | 26.697 | 0.210 | 1505. | 4.3 |
| 91 | 92.0 | 13.820 | 35.630 | 4.61 | 0.09 | 26.713 | 0.213 | 1505. | 3.8 |
| 93 | 94.1 | 13.773 | 35.628 | 4.51 | 0.09 | 26.721 | 0.215 | 1505. | 3.2 |
| 95 | 95.9 | 13.754 | 35.626 | 4.48 | 0.09 | 26.724 | 0.218 | 1505. | 3.2 |
| 97 | 98.0 | 13.737 | 35.626 | 4.42 | 0.09 | 26.727 | 0.221 | 1505. | 3.0 |
| 99 | 99.9 | 13.731 | 35.626 | 4.45 | 0.09 | 26.728 | 0.223 | 1505. | 2.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 45 | 13 JUL 1982 | 1210 | 40°21.3'N | 67°45.7'W | 193 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.1 | 13.727 | 35.634 | 4.40 | 0.09 | 26.736 | 0.226 | 1505. | 2.8 |
| 103 | 103.9 | 13.828 | 35.679 | 4.43 | 0.08 | 26.749 | 0.229 | 1505. | 3.0 |
| 105 | 106.0 | 13.761 | 35.657 | 4.42 | 0.08 | 26.746 | 0.231 | 1505. | 3.0 |
| 107 | 108.1 | 13.502 | 35.593 | 4.44 | 0.08 | 26.751 | 0.234 | 1504. | 3.1 |
| 109 | 109.9 | 13.409 | 35.579 | 4.52 | 0.09 | 26.759 | 0.236 | 1504. | 3.1 |
| 111 | 112.0 | 13.339 | 35.572 | 4.49 | 0.09 | 26.768 | 0.239 | 1504. | 3.2 |
| 113 | 114.0 | 13.290 | 35.562 | 4.53 | 0.09 | 26.770 | 0.242 | 1504. | 3.5 |
| 115 | 115.9 | 13.217 | 35.552 | 4.57 | 0.09 | 26.778 | 0.244 | 1503. | 3.5 |
| 117 | 118.1 | 13.162 | 35.548 | 4.51 | 0.09 | 26.786 | 0.247 | 1503. | 3.6 |
| 119 | 120.1 | 13.142 | 35.555 | 4.55 | 0.09 | 26.795 | 0.250 | 1503. | 3.7 |
| 121 | 121.9 | 13.119 | 35.564 | 4.57 | 0.09 | 26.806 | 0.252 | 1503. | 3.9 |
| 123 | 124.0 | 13.122 | 35.571 | 4.47 | 0.09 | 26.811 | 0.255 | 1503. | 3.9 |
| 125 | 126.2 | 13.147 | 35.594 | 4.43 | 0.09 | 26.824 | 0.257 | 1503. | 3.8 |
| 127 | 127.9 | 13.152 | 35.605 | 4.45 | 0.09 | 26.831 | 0.259 | 1504. | 3.6 |
| 129 | 130.1 | 13.107 | 35.615 | 4.36 | 0.09 | 26.848 | 0.262 | 1503. | 3.5 |
| 131 | 132.0 | 13.099 | 35.615 | 4.35 | 0.09 | 26.851 | 0.264 | 1503. | 3.5 |
| 133 | 134.0 | 13.091 | 35.614 | 4.33 | 0.09 | 26.852 | 0.267 | 1503. | 3.3 |
| 135 | 136.0 | 13.047 | 35.613 | 4.29 | 0.09 | 26.859 | 0.269 | 1503. | 3.3 |
| 137 | 138.0 | 12.972 | 35.607 | 4.29 | 0.09 | 26.870 | 0.272 | 1503. | 3.4 |
| 139 | 140.0 | 12.940 | 35.606 | 4.25 | 0.09 | 26.875 | 0.274 | 1503. | 3.6 |
| 141 | 142.1 | 12.869 | 35.596 | 4.22 | 0.09 | 26.882 | 0.277 | 1503. | 3.7 |
| 143 | 143.9 | 12.776 | 35.583 | 4.21 | 0.09 | 26.890 | 0.279 | 1503. | 3.7 |
| 145 | 146.0 | 12.628 | 35.562 | 4.13 | 0.09 | 26.904 | 0.281 | 1502. | 3.5 |
| 147 | 148.0 | 12.468 | 35.535 | 4.14 | 0.09 | 26.914 | 0.284 | 1501. | 3.3 |
| 149 | 149.9 | 12.413 | 35.527 | 4.16 | 0.10 | 26.919 | 0.286 | 1501. | 3.0 |
| 151 | 152.1 | 12.384 | 35.523 | 4.13 | 0.10 | 26.921 | 0.288 | 1501. | 2.6 |
| 153 | 153.9 | 12.324 | 35.511 | 4.16 | 0.10 | 26.923 | 0.291 | 1501. | 2.2 |
| 155 | 156.1 | 12.290 | 35.505 | 4.14 | 0.10 | 26.926 | 0.293 | 1501. | 2.1 |
| 157 | 158.0 | 12.261 | 35.499 | 4.17 | 0.11 | 26.927 | 0.295 | 1501. | 2.2 |
| 159 | 160.1 | 12.181 | 35.479 | 4.16 | 0.11 | 26.927 | 0.298 | 1501. | 2.4 |
| 161 | 161.9 | 12.117 | 35.471 | 4.20 | 0.11 | 26.933 | 0.300 | 1500. | 2.7 |
| 163 | 164.1 | 12.068 | 35.465 | 4.16 | 0.11 | 26.938 | 0.302 | 1500. | 3.0 |
| 165 | 165.9 | 11.981 | 35.451 | 4.20 | 0.12 | 26.944 | 0.304 | 1500. | 3.1 |
| 167 | 168.0 | 11.933 | 35.450 | 4.15 | 0.12 | 26.952 | 0.307 | 1500. | 3.1 |
| 169 | 170.2 | 11.904 | 35.456 | 4.10 | 0.12 | 26.961 | 0.309 | 1500. | 2.9 |
| 170 | 171.8 | 11.894 | 35.457 | 4.16 | 0.12 | 26.965 | 0.311 | 1500. | 2.6 |
| 173 | 174.2 | 11.880 | 35.457 | 4.07 | 0.11 | 26.968 | 0.314 | 1500. | 2.3 |
| 174 | 175.8 | 11.874 | 35.457 | 4.10 | 0.11 | 26.969 | 0.316 | 1500. | 2.0 |
| 177 | 178.0 | 11.868 | 35.457 | 4.04 | 0.12 | 26.970 | 0.318 | 1500. | 1.7 |
| 179 | 180.1 | 11.857 | 35.456 | 4.05 | 0.12 | 26.971 | 0.320 | 1500. | 1.6 |
| 180 | 181.2 | 11.850 | 35.455 | 4.14 | 0.12 | 26.972 | 0.322 | 1500. | 1.6 |
| 180 | 181.9 | 11.846 | 35.455 | 4.10 | 0.11 | 26.972 | 0.322 | 1500. | 1.6 |
| 182 | 183.0 | 11.836 | 35.454 | 4.04 | 0.12 | 26.974 | 0.324 | 1500. | 1.8 |
| 183 | 184.1 | 11.828 | 35.453 | 4.02 | 0.12 | 26.975 | 0.325 | 1500. | 1.9 |
| 183 | 185.0 | 11.820 | 35.453 | 4.06 | 0.12 | 26.976 | 0.326 | 1500. | 2.3 |
| 184 | 186.0 | 11.813 | 35.452 | 4.07 | 0.12 | 26.977 | 0.327 | 1500. | 2.7 |
| 185 | 187.0 | 11.807 | 35.452 | 4.04 | 0.12 | 26.978 | 0.328 | 1500. | 2.9 |
| 186 | 188.0 | 11.799 | 35.453 | 4.00 | 0.12 | 26.980 | 0.329 | 1500. | 3.0 |
| 187 | 189.0 | 11.735 | 35.447 | 4.05 | 0.12 | 26.987 | 0.330 | 1500. | 3.0 |
| 189 | 190.1 | 11.708 | 35.446 | 4.07 | 0.12 | 26.992 | 0.332 | 1499. | 3.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 45 | 13 JUL 1982 | 1210 | 40°21.3'N | 67°45.7'W | 193 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 189 | 191.0 | 11.704 | 35.447 | 3.98 | 0.12 | 26.994 | 0.333 | 1499. | 3.0 |
| 190 | 192.0 | 11.708 | 35.448 | 3.93 | 0.12 | 26.994 | 0.334 | 1500. | 3.0 |
| 191 | 192.5 | 11.714 | 35.450 | 3.93 | 0.12 | 26.994 | 0.334 | 1500. | 3.0 |

STA 46 DAY: 13 TIME: 1344

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 1.0 | 24.0 | 28.2 | 17.9 | 60.2 | 15.7 | 97.0 | 14.1 | 166.2 | 12.4 |
| 2.9 | 24.0 | 28.2 | 17.8 | 61.2 | 15.7 | 97.9 | 14.1 | 168.1 | 12.4 |
| 5.8 | 24.0 | 28.2 | 17.7 | 62.2 | 15.7 | 98.9 | 14.0 | 169.0 | 12.4 |
| 7.8 | 23.9 | 28.2 | 17.6 | 63.1 | 15.7 | 99.9 | 14.0 | 170.0 | 12.3 |
| 8.8 | 23.9 | 28.2 | 17.5 | 64.1 | 15.7 | 102.8 | 14.0 | 170.0 | 12.3 |
| 10.7 | 24.0 | 29.2 | 17.4 | 65.1 | 15.6 | 105.6 | 14.0 | 170.0 | 12.2 |
| 10.7 | 24.0 | 29.2 | 17.3 | 65.1 | 15.6 | 107.6 | 13.9 | 171.9 | 12.2 |
| 11.7 | 24.0 | 30.2 | 17.2 | 65.1 | 15.5 | 110.5 | 13.9 | 172.9 | 12.1 |
| 12.7 | 23.8 | 30.2 | 17.2 | 66.0 | 15.4 | 112.4 | 13.9 | 174.8 | 12.1 |
| 12.7 | 23.7 | 31.1 | 17.1 | 66.0 | 15.3 | 114.3 | 13.9 | 176.7 | 12.0 |
| 12.7 | 23.5 | 31.1 | 17.1 | 67.0 | 15.3 | 115.3 | 13.9 | 178.6 | 12.0 |
| 13.6 | 23.4 | 31.1 | 17.1 | 68.0 | 15.2 | 116.2 | 13.7 | 180.5 | 12.0 |
| 14.6 | 23.4 | 32.1 | 17.0 | 69.0 | 15.1 | 116.2 | 13.6 | 182.4 | 12.0 |
| 15.6 | 23.2 | 33.1 | 17.0 | 69.9 | 15.1 | 117.2 | 13.5 | 185.3 | 11.9 |
| 15.6 | 23.0 | 34.1 | 16.9 | 69.9 | 15.0 | 117.2 | 13.3 | 186.2 | 11.9 |
| 16.6 | 22.7 | 34.1 | 16.9 | 69.9 | 14.9 | 118.2 | 13.3 | 189.1 | 11.9 |
| 16.6 | 22.4 | 35.0 | 16.8 | 69.9 | 14.8 | 119.1 | 13.2 | 191.0 | 11.8 |
| 17.5 | 22.3 | 35.0 | 16.7 | 70.9 | 14.8 | 120.1 | 13.1 | 192.0 | 11.7 |
| 17.5 | 22.1 | 35.0 | 16.6 | 71.9 | 14.7 | 122.0 | 13.1 | 192.0 | 11.7 |
| 18.5 | 22.0 | 36.0 | 16.5 | 72.8 | 14.6 | 124.9 | 13.1 | 192.9 | 11.6 |
| 19.5 | 21.9 | 36.0 | 16.5 | 73.8 | 14.6 | 126.8 | 13.1 | 193.9 | 11.5 |
| 20.4 | 21.7 | 37.9 | 16.4 | 74.8 | 14.6 | 128.7 | 13.1 | 193.9 | 11.5 |
| 20.4 | 21.5 | 38.9 | 16.3 | 75.7 | 14.7 | 129.7 | 13.2 | 194.8 | 11.4 |
| 21.4 | 21.2 | 38.9 | 16.2 | 75.7 | 14.7 | 130.7 | 13.2 | 196.7 | 11.4 |
| 21.4 | 21.1 | 38.9 | 16.2 | 76.7 | 14.8 | 130.7 | 13.2 | 197.7 | 11.3 |
| 21.4 | 20.9 | 39.9 | 16.1 | 77.7 | 14.8 | 132.6 | 13.3 | 199.6 | 11.2 |
| 21.4 | 20.8 | 39.9 | 16.0 | 77.7 | 14.9 | 133.5 | 13.3 | 200.5 | 11.1 |
| 21.4 | 20.6 | 41.8 | 16.0 | 78.6 | 15.0 | 134.5 | 13.4 | 200.5 | 11.1 |
| 22.4 | 20.5 | 43.8 | 16.0 | 78.6 | 15.0 | 135.5 | 13.4 | 201.5 | 11.0 |
| 22.4 | 20.4 | 44.7 | 15.9 | 79.6 | 15.0 | 136.4 | 13.4 | 202.5 | 11.0 |
| 22.4 | 20.3 | 45.7 | 15.9 | 80.6 | 15.0 | 137.4 | 13.3 | 203.4 | 10.9 |
| 22.4 | 20.2 | 47.6 | 15.8 | 81.5 | 15.0 | 138.3 | 13.3 | 204.4 | 10.9 |
| 22.4 | 20.1 | 48.6 | 15.8 | 82.5 | 15.0 | 141.2 | 13.2 | 207.2 | 10.8 |
| 23.4 | 20.0 | 49.6 | 15.7 | 82.5 | 14.9 | 143.1 | 13.2 | 208.2 | 10.8 |
| 23.4 | 19.8 | 50.6 | 15.7 | 83.5 | 14.9 | 144.1 | 13.2 | 209.1 | 10.7 |
| 23.4 | 19.7 | 51.5 | 15.6 | 83.5 | 14.8 | 145.1 | 13.1 | 211.0 | 10.7 |
| 23.4 | 19.6 | 51.5 | 15.5 | 84.4 | 14.8 | 147.9 | 13.1 | 212.0 | 10.6 |
| 24.3 | 19.6 | 52.5 | 15.4 | 86.4 | 14.7 | 148.9 | 13.1 | 212.9 | 10.5 |
| 26.3 | 19.5 | 53.5 | 15.2 | 86.4 | 14.7 | 151.8 | 13.0 | 212.9 | 10.4 |
| 26.3 | 19.3 | 53.5 | 15.0 | 87.3 | 14.7 | 153.7 | 13.0 | 214.8 | 10.4 |
| 26.3 | 19.2 | 54.4 | 15.0 | 88.3 | 14.6 | 155.6 | 12.9 | 216.7 | 10.3 |
| 26.3 | 19.1 | 55.4 | 14.9 | 89.2 | 14.6 | 157.5 | 12.9 | 217.7 | 10.3 |
| 26.3 | 19.1 | 56.4 | 14.9 | 90.2 | 14.5 | 158.5 | 12.9 | 219.6 | 10.2 |
| 27.3 | 18.8 | 56.4 | 15.0 | 91.2 | 14.5 | 159.4 | 12.8 | 223.4 | 10.1 |
| 27.3 | 18.7 | 56.4 | 15.1 | 92.1 | 14.4 | 160.4 | 12.7 | 224.4 | 10.1 |
| 27.3 | 18.6 | 57.3 | 15.3 | 93.1 | 14.4 | 161.4 | 12.7 | 227.2 | 9.9 |
| 28.2 | 18.4 | 58.3 | 15.4 | 94.1 | 14.3 | 162.3 | 12.6 | 228.2 | 9.9 |
| 27.3 | 18.3 | 58.3 | 15.4 | 94.1 | 14.3 | 163.3 | 12.5 | 230.1 | 9.8 |
| 28.2 | 18.2 | 59.3 | 15.5 | 95.0 | 14.2 | 163.3 | 12.5 | 231.0 | 9.8 |
| 28.2 | 18.0 | 59.3 | 15.6 | 96.0 | 14.1 | 165.2 | 12.5 | 232.0 | 9.7 |

STA 46 DAY: 13 TIME: 1344

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 232.9 | 9.7 | 303.9 | 7.5 | 395.7 | 5.5 | 523.4 | 5.0 | 747.1 | 4.6 |
| 234.8 | 9.7 | 306.7 | 7.4 | 397.6 | 5.5 | 528.0 | 5.0 | 752.5 | 4.6 |
| 236.7 | 9.5 | 307.6 | 7.4 | 400.4 | 5.5 | 534.4 | 4.9 | 754.3 | 4.6 |
| 237.7 | 9.5 | 310.5 | 7.3 | 402.3 | 5.5 | 539.9 | 4.9 | 758.7 | 4.6 |
| 239.6 | 9.4 | 312.4 | 7.2 | 406.0 | 5.5 | 544.5 | 4.9 | 762.3 | 4.6 |
| 240.5 | 9.4 | 313.3 | 7.1 | 408.8 | 5.5 | 550.0 | 4.9 | 765.9 | 4.6 |
| 241.5 | 9.4 | 314.2 | 7.1 | 410.6 | 5.5 | 551.8 | 4.9 | 769.4 | 4.6 |
| 243.4 | 9.3 | 316.1 | 7.0 | 413.4 | 5.5 | 557.3 | 4.9 | | |
| 245.2 | 9.3 | 317.1 | 7.0 | 415.3 | 5.5 | 559.2 | 4.9 | | |
| 246.2 | 9.3 | 319.9 | 6.9 | 418.1 | 5.5 | 563.7 | 4.9 | | |
| 247.1 | 9.3 | 321.8 | 6.9 | 420.9 | 5.5 | 569.2 | 4.9 | | |
| 248.1 | 9.2 | 322.7 | 6.8 | 422.7 | 5.5 | 572.9 | 4.9 | | |
| 251.9 | 9.2 | 324.6 | 6.8 | 424.6 | 5.4 | 576.5 | 4.9 | | |
| 252.8 | 9.2 | 326.5 | 6.8 | 426.5 | 5.4 | 582.0 | 4.8 | | |
| 254.7 | 9.1 | 330.2 | 6.8 | 429.2 | 5.4 | 586.5 | 4.9 | | |
| 256.6 | 9.1 | 333.0 | 6.8 | 430.2 | 5.4 | 591.1 | 4.8 | | |
| 257.6 | 9.1 | 334.9 | 6.8 | 433.0 | 5.3 | 595.7 | 4.8 | | |
| 258.5 | 9.0 | 335.9 | 6.7 | 434.8 | 5.3 | 598.4 | 4.8 | | |
| 260.4 | 9.0 | 337.7 | 6.6 | 437.6 | 5.3 | 604.8 | 4.8 | | |
| 263.3 | 9.0 | 337.7 | 6.5 | 439.4 | 5.3 | 611.1 | 4.8 | | |
| 265.1 | 8.9 | 338.7 | 6.5 | 441.3 | 5.3 | 615.7 | 4.8 | | |
| 266.1 | 8.9 | 339.6 | 6.4 | 444.1 | 5.3 | 619.3 | 4.8 | | |
| 267.0 | 8.9 | 340.5 | 6.3 | 445.0 | 5.3 | 624.7 | 4.8 | | |
| 268.9 | 8.8 | 342.4 | 6.3 | 446.9 | 5.3 | 628.4 | 4.8 | | |
| 270.8 | 8.8 | 343.4 | 6.2 | 447.8 | 5.3 | 633.8 | 4.8 | | |
| 273.7 | 8.7 | 344.3 | 6.2 | 450.6 | 5.3 | 640.1 | 4.8 | | |
| 275.6 | 8.7 | 346.2 | 6.1 | 451.5 | 5.3 | 644.7 | 4.8 | | |
| 276.5 | 8.6 | 348.1 | 6.1 | 452.4 | 5.3 | 648.3 | 4.8 | | |
| 278.4 | 8.5 | 349.9 | 6.1 | 453.3 | 5.3 | 654.6 | 4.8 | | |
| 279.3 | 8.5 | 351.8 | 6.0 | 456.1 | 5.2 | 658.2 | 4.7 | | |
| 280.3 | 8.4 | 352.7 | 6.0 | 459.8 | 5.2 | 661.8 | 4.7 | | |
| 281.2 | 8.3 | 354.6 | 5.9 | 462.6 | 5.2 | 668.1 | 4.7 | | |
| 282.2 | 8.2 | 356.5 | 5.9 | 466.3 | 5.2 | 673.6 | 4.7 | | |
| 285.0 | 8.2 | 358.4 | 5.9 | 469.1 | 5.2 | 679.0 | 4.7 | | |
| 285.9 | 8.2 | 361.2 | 5.9 | 472.8 | 5.2 | 683.5 | 4.7 | | |
| 286.9 | 8.1 | 363.0 | 5.9 | 476.5 | 5.1 | 686.2 | 4.7 | | |
| 287.8 | 8.1 | 365.8 | 5.9 | 479.2 | 5.2 | 690.7 | 4.7 | | |
| 288.8 | 8.0 | 368.7 | 5.9 | 482.9 | 5.1 | 697.0 | 4.7 | | |
| 288.8 | 8.0 | 369.6 | 5.8 | 485.7 | 5.2 | 702.3 | 4.6 | | |
| 289.7 | 7.9 | 370.5 | 5.8 | 488.5 | 5.1 | 705.9 | 4.6 | | |
| 290.7 | 7.9 | 373.3 | 5.8 | 491.2 | 5.0 | 709.5 | 4.6 | | |
| 292.6 | 7.9 | 374.3 | 5.7 | 493.1 | 5.0 | 713.1 | 4.6 | | |
| 293.5 | 7.8 | 377.1 | 5.7 | 495.8 | 5.0 | 717.6 | 4.6 | | |
| 294.4 | 7.7 | 379.9 | 5.7 | 499.5 | 5.0 | 721.2 | 4.6 | | |
| 296.3 | 7.6 | 382.7 | 5.7 | 502.3 | 5.0 | 723.9 | 4.6 | | |
| 297.3 | 7.6 | 385.5 | 5.7 | 504.1 | 5.0 | 729.2 | 4.6 | | |
| 298.2 | 7.6 | 387.3 | 5.7 | 506.9 | 5.0 | 732.8 | 4.6 | | |
| 299.2 | 7.5 | 390.1 | 5.6 | 510.6 | 5.0 | 735.5 | 4.6 | | |
| 301.0 | 7.5 | 392.0 | 5.6 | 514.2 | 5.0 | 739.1 | 4.6 | | |
| 302.9 | 7.5 | 393.9 | 5.6 | 518.8 | 5.0 | 742.7 | 4.6 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 47 | 13 JUL 1982 | 1304 | 40°15.1'N | 67°43.0'W | 1345 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.2 | 23.743 | 34.901 | 4.88 | 0.21 | 23.644 | 0.000 | 1531. | 14.7 |
| 4 | 3.8 | 23.751 | 34.901 | 4.94 | 0.17 | 23.642 | 0.006 | 1531. | 14.7 |
| 6 | 6.3 | 23.731 | 34.904 | 5.05 | 0.17 | 23.650 | 0.017 | 1531. | 14.7 |
| 8 | 7.8 | 23.613 | 34.931 | 5.15 | 0.17 | 23.705 | 0.024 | 1531. | 14.7 |
| 10 | 10.1 | 23.516 | 35.202 | 5.18 | 0.17 | 23.938 | 0.033 | 1531. | 14.7 |
| 12 | 11.9 | 23.385 | 35.491 | 5.23 | 0.17 | 24.196 | 0.040 | 1531. | 16.1 |
| 14 | 14.0 | 23.125 | 35.518 | 5.25 | 0.16 | 24.292 | 0.048 | 1531. | 16.8 |
| 16 | 16.0 | 22.161 | 35.336 | 5.40 | 0.17 | 24.429 | 0.055 | 1528. | 17.0 |
| 18 | 17.9 | 20.852 | 35.153 | 5.56 | 0.18 | 24.652 | 0.061 | 1524. | 16.9 |
| 20 | 20.1 | 19.527 | 35.027 | 5.71 | 0.19 | 24.908 | 0.068 | 1521. | 17.1 |
| 22 | 21.9 | 19.176 | 35.043 | 5.73 | 0.20 | 25.010 | 0.074 | 1520. | 17.4 |
| 24 | 23.9 | 18.555 | 35.084 | 5.74 | 0.21 | 25.199 | 0.079 | 1518. | 17.0 |
| 26 | 26.0 | 17.933 | 35.159 | 5.74 | 0.25 | 25.411 | 0.085 | 1516. | 16.3 |
| 28 | 28.2 | 17.242 | 35.283 | 5.74 | 0.42 | 25.675 | 0.090 | 1514. | 15.5 |
| 30 | 29.9 | 17.128 | 35.356 | 5.66 | 0.59 | 25.758 | 0.094 | 1514. | 14.7 |
| 32 | 32.0 | 16.899 | 35.412 | 5.49 | 0.59 | 25.856 | 0.099 | 1514. | 13.3 |
| 34 | 34.1 | 16.212 | 35.360 | 5.36 | 0.35 | 25.976 | 0.103 | 1511. | 12.0 |
| 36 | 36.0 | 15.766 | 35.315 | 5.11 | 0.24 | 26.045 | 0.107 | 1510. | 11.0 |
| 38 | 38.1 | 15.429 | 35.283 | 4.97 | 0.21 | 26.096 | 0.111 | 1509. | 10.5 |
| 40 | 40.1 | 15.118 | 35.249 | 4.94 | 0.18 | 26.139 | 0.115 | 1508. | 9.8 |
| 42 | 41.9 | 14.884 | 35.284 | 4.93 | 0.16 | 26.217 | 0.118 | 1507. | 9.1 |
| 44 | 44.0 | 14.415 | 35.256 | 4.93 | 0.13 | 26.298 | 0.122 | 1506. | 8.6 |
| 46 | 46.1 | 13.959 | 35.167 | 4.93 | 0.12 | 26.326 | 0.125 | 1504. | 8.1 |
| 48 | 47.9 | 13.871 | 35.161 | 4.96 | 0.11 | 26.339 | 0.128 | 1504. | 8.1 |
| 50 | 50.0 | 13.829 | 35.194 | 4.94 | 0.11 | 26.374 | 0.132 | 1504. | 8.0 |
| 52 | 52.1 | 13.897 | 35.253 | 4.89 | 0.10 | 26.405 | 0.135 | 1504. | 8.0 |
| 53 | 53.9 | 14.004 | 35.310 | 4.84 | 0.10 | 26.427 | 0.138 | 1505. | 8.2 |
| 56 | 56.0 | 14.458 | 35.568 | 4.67 | 0.09 | 26.529 | 0.142 | 1507. | 8.0 |
| 58 | 58.1 | 14.833 | 35.755 | 4.50 | 0.09 | 26.592 | 0.144 | 1508. | 7.5 |
| 59 | 60.0 | 15.179 | 35.871 | 4.25 | 0.08 | 26.604 | 0.147 | 1509. | 6.7 |
| 62 | 62.0 | 15.340 | 35.937 | 4.02 | 0.08 | 26.619 | 0.150 | 1510. | 5.7 |
| 63 | 64.0 | 15.403 | 35.957 | 3.89 | 0.08 | 26.621 | 0.153 | 1510. | 4.2 |
| 65 | 66.0 | 15.333 | 35.944 | 3.82 | 0.08 | 26.627 | 0.156 | 1510. | 3.2 |
| 67 | 68.0 | 15.239 | 35.927 | 3.78 | 0.08 | 26.635 | 0.159 | 1510. | 2.9 |
| 69 | 70.0 | 15.253 | 35.935 | 3.80 | 0.08 | 26.638 | 0.162 | 1510. | 2.6 |
| 71 | 71.9 | 15.299 | 35.953 | 3.81 | 0.08 | 26.641 | 0.164 | 1510. | 2.5 |
| 73 | 74.0 | 15.386 | 35.987 | 3.82 | 0.08 | 26.648 | 0.167 | 1510. | 2.4 |
| 76 | 76.2 | 15.384 | 35.988 | 3.82 | 0.08 | 26.649 | 0.170 | 1510. | 2.3 |
| 77 | 77.8 | 15.369 | 35.985 | 3.83 | 0.08 | 26.650 | 0.173 | 1510. | 2.2 |
| 79 | 80.0 | 15.299 | 35.970 | 3.79 | 0.08 | 26.654 | 0.176 | 1510. | 2.2 |
| 81 | 82.1 | 15.223 | 35.954 | 3.79 | 0.08 | 26.659 | 0.179 | 1510. | 2.2 |
| 83 | 83.9 | 15.206 | 35.952 | 3.80 | 0.08 | 26.661 | 0.181 | 1510. | 2.6 |
| 85 | 86.0 | 15.197 | 35.952 | 3.79 | 0.08 | 26.663 | 0.184 | 1510. | 3.1 |
| 87 | 88.1 | 15.184 | 35.950 | 3.77 | 0.08 | 26.665 | 0.187 | 1510. | 3.6 |
| 89 | 90.0 | 15.079 | 35.929 | 3.76 | 0.08 | 26.672 | 0.190 | 1509. | 3.9 |
| 91 | 91.9 | 14.852 | 35.885 | 3.78 | 0.08 | 26.688 | 0.192 | 1509. | 4.1 |
| 93 | 94.0 | 14.655 | 35.853 | 3.78 | 0.08 | 26.707 | 0.195 | 1508. | 4.1 |
| 95 | 95.9 | 14.604 | 35.859 | 3.82 | 0.08 | 26.722 | 0.198 | 1508. | 4.2 |
| 97 | 98.0 | 14.558 | 35.852 | 3.76 | 0.08 | 26.727 | 0.200 | 1508. | 4.2 |
| 99 | 100.2 | 14.458 | 35.831 | 3.72 | 0.08 | 26.732 | 0.203 | 1508. | 4.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 47 | 13 JUL 1982 | 1304 | 40°15.1'N | 67°43.0'W | 1345 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 101.8 | 14.357 | 35.801 | 3.83 | 0.08 | 26.731 | 0.205 | 1507. | 3.9 |
| 103 | 104.0 | 14.069 | 35.753 | 3.84 | 0.08 | 26.756 | 0.208 | 1506. | 3.9 |
| 105 | 106.1 | 13.696 | 35.669 | 3.95 | 0.08 | 26.769 | 0.211 | 1505. | 3.9 |
| 107 | 108.0 | 13.562 | 35.639 | 4.15 | 0.08 | 26.774 | 0.214 | 1505. | 3.8 |
| 109 | 109.9 | 13.441 | 35.620 | 4.33 | 0.08 | 26.784 | 0.216 | 1504. | 3.4 |
| 111 | 112.1 | 13.419 | 35.622 | 4.39 | 0.08 | 26.790 | 0.219 | 1504. | 2.8 |
| 113 | 114.0 | 13.369 | 35.611 | 4.46 | 0.08 | 26.792 | 0.221 | 1504. | 2.4 |
| 115 | 115.9 | 13.344 | 35.607 | 4.54 | 0.08 | 26.794 | 0.224 | 1504. | 2.2 |
| 117 | 118.0 | 13.325 | 35.603 | 4.51 | 0.08 | 26.795 | 0.226 | 1504. | 2.4 |
| 119 | 120.0 | 13.286 | 35.593 | 4.46 | 0.08 | 26.795 | 0.229 | 1504. | 2.7 |
| 121 | 122.0 | 13.249 | 35.586 | 4.44 | 0.08 | 26.797 | 0.231 | 1504. | 3.1 |
| 123 | 124.0 | 13.176 | 35.577 | 4.45 | 0.08 | 26.805 | 0.234 | 1503. | 3.5 |
| 125 | 126.0 | 13.323 | 35.640 | 4.42 | 0.08 | 26.824 | 0.237 | 1504. | 3.6 |
| 127 | 128.0 | 13.381 | 35.663 | 4.35 | 0.08 | 26.829 | 0.239 | 1504. | 3.7 |
| 129 | 130.0 | 13.367 | 35.675 | 4.19 | 0.08 | 26.842 | 0.241 | 1504. | 3.6 |
| 131 | 132.1 | 13.352 | 35.679 | 4.04 | 0.08 | 26.848 | 0.244 | 1504. | 3.6 |
| 133 | 133.9 | 13.356 | 35.683 | 3.90 | 0.08 | 26.851 | 0.246 | 1504. | 3.6 |
| 135 | 136.1 | 13.246 | 35.664 | 3.83 | 0.08 | 26.858 | 0.249 | 1504. | 3.8 |
| 137 | 138.1 | 13.051 | 35.617 | 3.82 | 0.08 | 26.861 | 0.251 | 1503. | 3.9 |
| 139 | 139.9 | 12.806 | 35.578 | 3.87 | 0.08 | 26.881 | 0.254 | 1503. | 4.1 |
| 141 | 142.1 | 12.795 | 35.595 | 3.90 | 0.08 | 26.896 | 0.256 | 1503. | 4.3 |
| 143 | 143.9 | 12.794 | 35.604 | 3.93 | 0.08 | 26.903 | 0.258 | 1503. | 4.4 |
| 145 | 146.1 | 12.770 | 35.614 | 3.81 | 0.08 | 26.916 | 0.261 | 1503. | 4.3 |
| 147 | 147.8 | 12.729 | 35.615 | 3.74 | 0.08 | 26.924 | 0.263 | 1502. | 4.0 |
| 149 | 150.0 | 12.638 | 35.617 | 3.61 | 0.08 | 26.944 | 0.265 | 1502. | 3.7 |
| 151 | 152.0 | 12.608 | 35.614 | 3.54 | 0.08 | 26.948 | 0.268 | 1502. | 3.4 |
| 153 | 154.0 | 12.561 | 35.610 | 3.42 | 0.08 | 26.954 | 0.270 | 1502. | 3.0 |
| 155 | 156.1 | 12.519 | 35.603 | 3.42 | 0.08 | 26.957 | 0.272 | 1502. | 2.8 |
| 157 | 158.0 | 12.514 | 35.603 | 3.39 | 0.08 | 26.958 | 0.274 | 1502. | 2.7 |
| 159 | 160.0 | 12.506 | 35.602 | 3.42 | 0.08 | 26.959 | 0.277 | 1502. | 3.0 |
| 161 | 162.0 | 12.440 | 35.593 | 3.41 | 0.08 | 26.965 | 0.279 | 1502. | 3.2 |
| 163 | 164.1 | 12.364 | 35.585 | 3.42 | 0.08 | 26.974 | 0.281 | 1501. | 3.4 |
| 165 | 165.9 | 12.260 | 35.573 | 3.48 | 0.08 | 26.984 | 0.283 | 1501. | 3.5 |
| 167 | 168.0 | 12.172 | 35.564 | 3.51 | 0.08 | 26.994 | 0.286 | 1501. | 3.6 |
| 169 | 170.1 | 12.073 | 35.549 | 3.55 | 0.08 | 27.002 | 0.288 | 1501. | 3.5 |
| 171 | 171.9 | 12.024 | 35.542 | 3.52 | 0.08 | 27.006 | 0.290 | 1500. | 3.3 |
| 173 | 174.0 | 11.950 | 35.533 | 3.50 | 0.08 | 27.013 | 0.292 | 1500. | 3.1 |
| 175 | 176.0 | 11.877 | 35.522 | 3.52 | 0.08 | 27.019 | 0.294 | 1500. | 2.9 |
| 177 | 178.0 | 11.815 | 35.515 | 3.52 | 0.08 | 27.025 | 0.296 | 1500. | 2.7 |
| 179 | 180.0 | 11.777 | 35.510 | 3.50 | 0.08 | 27.028 | 0.299 | 1500. | 2.7 |
| 180 | 182.0 | 11.742 | 35.505 | 3.49 | 0.08 | 27.031 | 0.301 | 1500. | 2.6 |
| 182 | 184.0 | 11.716 | 35.502 | 3.49 | 0.08 | 27.034 | 0.303 | 1499. | 2.5 |
| 184 | 186.0 | 11.677 | 35.497 | 3.48 | 0.08 | 27.037 | 0.305 | 1499. | 2.7 |
| 186 | 188.0 | 11.602 | 35.486 | 3.50 | 0.08 | 27.043 | 0.307 | 1499. | 2.9 |
| 189 | 190.1 | 11.564 | 35.481 | 3.49 | 0.08 | 27.047 | 0.309 | 1499. | 3.0 |
| 190 | 191.9 | 11.514 | 35.474 | 3.49 | 0.08 | 27.050 | 0.311 | 1499. | 3.0 |
| 192 | 194.0 | 11.363 | 35.454 | 3.48 | 0.08 | 27.063 | 0.313 | 1498. | 3.0 |
| 194 | 196.0 | 11.273 | 35.440 | 3.49 | 0.08 | 27.069 | 0.315 | 1498. | 3.0 |
| 196 | 198.0 | 11.240 | 35.437 | 3.48 | 0.08 | 27.072 | 0.318 | 1498. | 2.9 |
| 199 | 200.1 | 11.226 | 35.435 | 3.44 | 0.08 | 27.074 | 0.320 | 1498. | 2.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 47 | 13 JUL 1982 | 1304 | 40°15.1'N | 67°43.0'W | 1345 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 201.8 | 11.171 | 35.427 | 3.40 | 0.08 | 27.077 | 0.321 | 1498. | 2.8 |
| 202 | 204.1 | 11.084 | 35.415 | 3.38 | 0.09 | 27.084 | 0.324 | 1498. | 2.9 |
| 204 | 206.0 | 11.056 | 35.411 | 3.43 | 0.09 | 27.086 | 0.326 | 1497. | 3.0 |
| 206 | 208.0 | 10.919 | 35.392 | 3.39 | 0.09 | 27.096 | 0.328 | 1497. | 3.1 |
| 208 | 210.0 | 10.836 | 35.381 | 3.42 | 0.09 | 27.103 | 0.330 | 1497. | 3.1 |
| 210 | 212.0 | 10.794 | 35.376 | 3.41 | 0.09 | 27.107 | 0.332 | 1497. | 3.1 |
| 212 | 213.9 | 10.714 | 35.367 | 3.43 | 0.09 | 27.114 | 0.334 | 1496. | 3.2 |
| 214 | 216.1 | 10.661 | 35.362 | 3.36 | 0.09 | 27.119 | 0.336 | 1496. | 3.1 |
| 216 | 218.2 | 10.622 | 35.357 | 3.37 | 0.09 | 27.122 | 0.338 | 1496. | 3.1 |
| 218 | 219.9 | 10.513 | 35.342 | 3.38 | 0.09 | 27.130 | 0.339 | 1496. | 3.0 |
| 220 | 222.1 | 10.416 | 35.331 | 3.39 | 0.09 | 27.139 | 0.342 | 1495. | 2.8 |
| 222 | 223.9 | 10.353 | 35.322 | 3.39 | 0.09 | 27.142 | 0.343 | 1495. | 2.7 |
| 224 | 226.0 | 10.327 | 35.319 | 3.41 | 0.09 | 27.145 | 0.345 | 1495. | 2.6 |
| 226 | 228.2 | 10.286 | 35.313 | 3.41 | 0.09 | 27.147 | 0.347 | 1495. | 2.3 |
| 228 | 229.9 | 10.257 | 35.310 | 3.36 | 0.09 | 27.150 | 0.349 | 1495. | 2.1 |
| 230 | 232.1 | 10.225 | 35.307 | 3.34 | 0.09 | 27.154 | 0.351 | 1495. | 2.1 |
| 232 | 234.0 | 10.192 | 35.302 | 3.39 | 0.09 | 27.155 | 0.353 | 1495. | 2.2 |
| 234 | 235.9 | 10.137 | 35.293 | 3.34 | 0.09 | 27.157 | 0.355 | 1495. | 2.3 |
| 236 | 238.1 | 10.101 | 35.290 | 3.35 | 0.09 | 27.161 | 0.357 | 1494. | 2.4 |
| 238 | 240.1 | 10.083 | 35.287 | 3.38 | 0.09 | 27.162 | 0.359 | 1494. | 2.5 |
| 240 | 241.9 | 10.016 | 35.280 | 3.34 | 0.09 | 27.168 | 0.361 | 1494. | 2.6 |
| 242 | 244.0 | 9.968 | 35.276 | 3.35 | 0.09 | 27.173 | 0.362 | 1494. | 2.5 |
| 244 | 246.1 | 9.912 | 35.271 | 3.36 | 0.09 | 27.179 | 0.364 | 1494. | 2.5 |
| 246 | 247.9 | 9.882 | 35.267 | 3.38 | 0.09 | 27.181 | 0.366 | 1494. | 2.6 |
| 248 | 250.0 | 9.861 | 35.266 | 3.36 | 0.09 | 27.184 | 0.368 | 1494. | 2.6 |
| 250 | 252.0 | 9.828 | 35.261 | 3.40 | 0.09 | 27.186 | 0.370 | 1494. | 2.7 |
| 252 | 254.0 | 9.767 | 35.254 | 3.43 | 0.09 | 27.191 | 0.372 | 1493. | 2.8 |
| 254 | 256.0 | 9.696 | 35.245 | 3.41 | 0.09 | 27.196 | 0.374 | 1493. | 2.9 |
| 256 | 258.1 | 9.614 | 35.236 | 3.39 | 0.10 | 27.203 | 0.376 | 1493. | 3.0 |
| 258 | 259.9 | 9.554 | 35.232 | 3.40 | 0.10 | 27.209 | 0.377 | 1493. | 2.9 |
| 260 | 262.1 | 9.506 | 35.229 | 3.38 | 0.10 | 27.215 | 0.379 | 1493. | 2.7 |
| 262 | 264.0 | 9.435 | 35.220 | 3.41 | 0.10 | 27.220 | 0.381 | 1492. | 2.5 |
| 264 | 266.2 | 9.414 | 35.218 | 3.43 | 0.10 | 27.222 | 0.383 | 1492. | 2.2 |
| 266 | 267.9 | 9.406 | 35.218 | 3.43 | 0.11 | 27.223 | 0.384 | 1492. | 2.1 |
| 268 | 270.1 | 9.387 | 35.216 | 3.40 | 0.11 | 27.225 | 0.386 | 1492. | 2.2 |
| 270 | 272.0 | 9.357 | 35.212 | 3.40 | 0.11 | 27.226 | 0.388 | 1492. | 2.3 |
| 272 | 274.0 | 9.328 | 35.209 | 3.45 | 0.11 | 27.229 | 0.390 | 1492. | 2.4 |
| 274 | 275.9 | 9.247 | 35.200 | 3.43 | 0.11 | 27.235 | 0.391 | 1492. | 2.8 |
| 276 | 278.1 | 9.160 | 35.192 | 3.37 | 0.11 | 27.243 | 0.393 | 1492. | 3.0 |
| 278 | 280.0 | 9.140 | 35.190 | 3.41 | 0.11 | 27.245 | 0.395 | 1492. | 3.1 |
| 280 | 282.0 | 9.132 | 35.189 | 3.37 | 0.11 | 27.245 | 0.397 | 1492. | 3.1 |
| 282 | 284.2 | 8.899 | 35.167 | 3.39 | 0.11 | 27.266 | 0.399 | 1491. | 2.9 |
| 283 | 285.8 | 8.861 | 35.160 | 3.44 | 0.12 | 27.266 | 0.400 | 1491. | 2.8 |
| 286 | 288.0 | 8.859 | 35.160 | 3.42 | 0.12 | 27.267 | 0.402 | 1491. | 2.8 |
| 288 | 290.0 | 8.822 | 35.158 | 3.44 | 0.12 | 27.271 | 0.404 | 1491. | 2.6 |
| 290 | 292.1 | 8.774 | 35.151 | 3.47 | 0.12 | 27.273 | 0.405 | 1490. | 2.2 |
| 291 | 294.0 | 8.715 | 35.147 | 3.46 | 0.12 | 27.279 | 0.407 | 1490. | 2.4 |
| 294 | 296.1 | 8.696 | 35.147 | 3.47 | 0.12 | 27.282 | 0.409 | 1490. | 2.6 |
| 295 | 297.9 | 8.685 | 35.146 | 3.50 | 0.13 | 27.283 | 0.410 | 1490. | 2.7 |
| 298 | 300.1 | 8.650 | 35.142 | 3.49 | 0.13 | 27.285 | 0.412 | 1490. | 2.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 47 | 13 JUL 1982 | 1304 | 40°15.1'N | 67°43.0'W | 1345 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 299 | 301.9 | 8.531 | 35.132 | 3.51 | 0.13 | 27.296 | 0.414 | 1490. | 2.7 |
| 301 | 304.0 | 8.495 | 35.132 | 3.49 | 0.13 | 27.302 | 0.415 | 1489. | 2.7 |
| 303 | 305.9 | 8.464 | 35.131 | 3.55 | 0.13 | 27.306 | 0.417 | 1489. | 2.8 |
| 305 | 308.0 | 8.456 | 35.132 | 3.54 | 0.14 | 27.308 | 0.419 | 1489. | 2.7 |
| 308 | 310.1 | 8.456 | 35.133 | 3.53 | 0.14 | 27.309 | 0.420 | 1489. | 2.8 |
| 309 | 311.9 | 8.405 | 35.130 | 3.56 | 0.14 | 27.314 | 0.422 | 1489. | 3.0 |
| 311 | 314.1 | 8.335 | 35.126 | 3.56 | 0.14 | 27.322 | 0.423 | 1489. | 3.1 |
| 313 | 316.0 | 8.291 | 35.122 | 3.64 | 0.14 | 27.325 | 0.425 | 1489. | 3.3 |
| 315 | 318.0 | 8.156 | 35.112 | 3.64 | 0.14 | 27.338 | 0.427 | 1488. | 3.3 |
| 317 | 320.0 | 8.107 | 35.110 | 3.64 | 0.14 | 27.344 | 0.428 | 1488. | 3.2 |
| 319 | 321.9 | 8.062 | 35.106 | 3.70 | 0.14 | 27.348 | 0.430 | 1488. | 3.0 |
| 321 | 324.0 | 8.003 | 35.103 | 3.73 | 0.14 | 27.355 | 0.431 | 1488. | 2.8 |
| 323 | 326.0 | 7.981 | 35.102 | 3.69 | 0.14 | 27.357 | 0.433 | 1488. | 2.7 |
| 325 | 328.0 | 7.961 | 35.101 | 3.71 | 0.15 | 27.359 | 0.434 | 1488. | 3.0 |
| 327 | 329.9 | 7.926 | 35.099 | 3.75 | 0.15 | 27.363 | 0.436 | 1488. | 3.3 |
| 329 | 332.1 | 7.883 | 35.096 | 3.79 | 0.15 | 27.367 | 0.437 | 1488. | 3.5 |
| 331 | 333.9 | 7.733 | 35.083 | 3.85 | 0.15 | 27.379 | 0.439 | 1487. | 3.7 |
| 333 | 336.0 | 7.628 | 35.082 | 3.84 | 0.16 | 27.394 | 0.440 | 1487. | 3.8 |
| 335 | 338.0 | 7.565 | 35.079 | 3.92 | 0.16 | 27.400 | 0.442 | 1486. | 3.7 |
| 337 | 340.0 | 7.494 | 35.078 | 3.96 | 0.16 | 27.410 | 0.443 | 1486. | 3.4 |
| 339 | 342.0 | 7.452 | 35.077 | 3.94 | 0.16 | 27.415 | 0.445 | 1486. | 3.0 |
| 341 | 344.0 | 7.419 | 35.076 | 3.99 | 0.16 | 27.419 | 0.446 | 1486. | 2.7 |
| 343 | 346.1 | 7.404 | 35.075 | 4.02 | 0.17 | 27.421 | 0.448 | 1486. | 2.6 |
| 345 | 347.9 | 7.396 | 35.075 | 4.01 | 0.17 | 27.422 | 0.449 | 1486. | 2.5 |
| 347 | 350.0 | 7.345 | 35.072 | 4.01 | 0.17 | 27.427 | 0.450 | 1486. | 2.5 |
| 349 | 352.0 | 7.278 | 35.067 | 4.06 | 0.17 | 27.433 | 0.452 | 1486. | 2.6 |
| 351 | 354.0 | 7.244 | 35.067 | 4.10 | 0.17 | 27.438 | 0.453 | 1485. | 2.7 |
| 353 | 355.9 | 7.214 | 35.066 | 4.10 | 0.18 | 27.441 | 0.455 | 1485. | 2.7 |
| 355 | 358.1 | 7.180 | 35.065 | 4.08 | 0.18 | 27.445 | 0.456 | 1485. | 2.7 |
| 357 | 360.0 | 7.154 | 35.063 | 4.12 | 0.18 | 27.447 | 0.457 | 1485. | 2.8 |
| 359 | 362.0 | 7.090 | 35.060 | 4.10 | 0.18 | 27.454 | 0.459 | 1485. | 3.0 |
| 361 | 364.0 | 7.050 | 35.058 | 4.15 | 0.18 | 27.458 | 0.460 | 1485. | 3.1 |
| 363 | 366.0 | 6.980 | 35.054 | 4.22 | 0.18 | 27.464 | 0.461 | 1485. | 3.1 |
| 365 | 367.9 | 6.901 | 35.051 | 4.26 | 0.18 | 27.473 | 0.463 | 1484. | 3.0 |
| 367 | 370.1 | 6.828 | 35.048 | 4.26 | 0.18 | 27.481 | 0.464 | 1484. | 2.9 |
| 369 | 371.8 | 6.816 | 35.049 | 4.29 | 0.19 | 27.483 | 0.465 | 1484. | 2.9 |
| 371 | 374.0 | 6.814 | 35.049 | 4.30 | 0.19 | 27.483 | 0.467 | 1484. | 2.9 |
| 373 | 375.9 | 6.760 | 35.045 | 4.36 | 0.19 | 27.488 | 0.468 | 1484. | 3.1 |
| 375 | 378.1 | 6.706 | 35.044 | 4.34 | 0.19 | 27.494 | 0.469 | 1484. | 3.2 |
| 377 | 379.9 | 6.637 | 35.038 | 4.39 | 0.19 | 27.499 | 0.470 | 1484. | 3.3 |
| 379 | 382.0 | 6.527 | 35.035 | 4.39 | 0.20 | 27.511 | 0.472 | 1483. | 3.3 |
| 381 | 384.1 | 6.440 | 35.032 | 4.45 | 0.20 | 27.521 | 0.473 | 1483. | 3.2 |
| 383 | 385.9 | 6.420 | 35.032 | 4.54 | 0.20 | 27.523 | 0.474 | 1483. | 3.1 |
| 385 | 388.0 | 6.400 | 35.031 | 4.51 | 0.20 | 27.525 | 0.475 | 1483. | 3.0 |
| 387 | 390.0 | 6.362 | 35.029 | 4.57 | 0.21 | 27.529 | 0.477 | 1483. | 2.8 |
| 389 | 391.9 | 6.289 | 35.027 | 4.57 | 0.21 | 27.536 | 0.478 | 1482. | 2.6 |
| 391 | 394.1 | 6.221 | 35.024 | 4.61 | 0.22 | 27.543 | 0.479 | 1482. | 2.5 |
| 393 | 396.0 | 6.206 | 35.024 | 4.68 | 0.22 | 27.545 | 0.480 | 1482. | 2.4 |
| 395 | 398.0 | 6.185 | 35.022 | 4.70 | 0.22 | 27.547 | 0.481 | 1482. | 2.1 |
| 397 | 400.0 | 6.160 | 35.021 | 4.70 | 0.22 | 27.549 | 0.482 | 1482. | 1.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 47 | 13 JUL 1982 | 1304 | 40°15.1'N | 67°43.0'W | 1345 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 398 | 401.9 | 6.142 | 35.020 | 4.67 | 0.22 | 27.551 | 0.484 | 1482. | 2.0 |
| 401 | 404.1 | 6.136 | 35.020 | 4.68 | 0.22 | 27.551 | 0.485 | 1482. | 2.2 |
| 402 | 406.0 | 6.128 | 35.020 | 4.73 | 0.22 | 27.552 | 0.486 | 1482. | 2.4 |
| 404 | 408.0 | 6.082 | 35.017 | 4.71 | 0.23 | 27.555 | 0.487 | 1482. | 2.5 |
| 407 | 410.1 | 5.971 | 35.010 | 4.78 | 0.23 | 27.564 | 0.488 | 1481. | 2.5 |
| 408 | 411.9 | 5.923 | 35.008 | 4.79 | 0.23 | 27.569 | 0.489 | 1481. | 2.5 |
| 410 | 414.0 | 5.892 | 35.008 | 4.80 | 0.23 | 27.573 | 0.491 | 1481. | 2.4 |
| 412 | 416.1 | 5.885 | 35.008 | 4.81 | 0.24 | 27.574 | 0.492 | 1481. | 2.2 |
| 414 | 418.0 | 5.882 | 35.009 | 4.86 | 0.24 | 27.575 | 0.493 | 1481. | 2.0 |
| 416 | 420.0 | 5.867 | 35.009 | 4.86 | 0.24 | 27.577 | 0.494 | 1481. | 1.9 |
| 418 | 422.0 | 5.847 | 35.009 | 4.87 | 0.25 | 27.579 | 0.495 | 1481. | 2.0 |
| 420 | 424.1 | 5.827 | 35.008 | 4.80 | 0.25 | 27.581 | 0.496 | 1481. | 2.1 |
| 422 | 425.9 | 5.785 | 35.005 | 4.90 | 0.25 | 27.584 | 0.497 | 1481. | 2.2 |
| 424 | 428.1 | 5.749 | 35.003 | 4.91 | 0.25 | 27.587 | 0.498 | 1481. | 2.2 |
| 426 | 429.9 | 5.689 | 34.999 | 4.94 | 0.25 | 27.591 | 0.499 | 1481. | 2.2 |
| 428 | 432.1 | 5.658 | 34.999 | 4.92 | 0.25 | 27.595 | 0.501 | 1480. | 2.1 |
| 430 | 433.9 | 5.647 | 34.999 | 4.97 | 0.26 | 27.596 | 0.502 | 1480. | 1.9 |
| 432 | 436.1 | 5.630 | 34.998 | 4.99 | 0.26 | 27.598 | 0.503 | 1480. | 1.7 |
| 434 | 437.9 | 5.625 | 34.998 | 5.00 | 0.26 | 27.599 | 0.504 | 1480. | 1.6 |
| 436 | 440.1 | 5.620 | 34.998 | 4.97 | 0.27 | 27.599 | 0.505 | 1480. | 1.6 |
| 438 | 442.0 | 5.609 | 34.998 | 4.99 | 0.27 | 27.600 | 0.506 | 1480. | 1.8 |
| 440 | 444.0 | 5.590 | 34.998 | 4.98 | 0.27 | 27.603 | 0.507 | 1480. | 1.9 |
| 442 | 446.0 | 5.571 | 34.997 | 5.04 | 0.28 | 27.605 | 0.508 | 1480. | 2.0 |
| 444 | 448.0 | 5.521 | 34.994 | 5.07 | 0.28 | 27.608 | 0.509 | 1480. | 2.0 |
| 446 | 450.0 | 5.471 | 34.990 | 5.07 | 0.28 | 27.612 | 0.510 | 1480. | 1.9 |
| 448 | 452.0 | 5.463 | 34.991 | 5.09 | 0.28 | 27.613 | 0.511 | 1480. | 1.8 |
| 450 | 454.1 | 5.443 | 34.989 | 5.12 | 0.28 | 27.614 | 0.512 | 1480. | 1.7 |
| 452 | 455.9 | 5.432 | 34.989 | 5.13 | 0.28 | 27.615 | 0.513 | 1480. | 1.5 |
| 454 | 458.0 | 5.422 | 34.988 | 5.10 | 0.29 | 27.616 | 0.514 | 1480. | 1.5 |
| 456 | 460.1 | 5.402 | 34.987 | 5.11 | 0.29 | 27.617 | 0.515 | 1480. | 1.5 |
| 458 | 461.9 | 5.381 | 34.985 | 5.11 | 0.29 | 27.618 | 0.516 | 1480. | 1.5 |
| 460 | 464.0 | 5.353 | 34.983 | 5.12 | 0.30 | 27.620 | 0.517 | 1480. | 1.5 |
| 462 | 466.0 | 5.335 | 34.982 | 5.20 | 0.30 | 27.621 | 0.519 | 1480. | 1.5 |
| 464 | 468.0 | 5.322 | 34.982 | 5.20 | 0.30 | 27.623 | 0.520 | 1480. | 1.4 |
| 466 | 469.9 | 5.305 | 34.980 | 5.23 | 0.30 | 27.623 | 0.521 | 1480. | 1.2 |
| 468 | 472.0 | 5.298 | 34.980 | 5.18 | 0.30 | 27.624 | 0.522 | 1480. | 1.1 |
| 470 | 474.0 | 5.291 | 34.979 | 5.20 | 0.31 | 27.624 | 0.523 | 1480. | 0.9 |
| 472 | 476.0 | 5.288 | 34.979 | 5.19 | 0.31 | 27.625 | 0.524 | 1480. | 0.8 |
| 474 | 478.0 | 5.287 | 34.979 | 5.19 | 0.31 | 27.625 | 0.525 | 1480. | 0.8 |
| 476 | 480.0 | 5.280 | 34.978 | 5.22 | 0.31 | 27.625 | 0.526 | 1480. | 0.8 |
| 478 | 482.1 | 5.279 | 34.978 | 5.20 | 0.31 | 27.625 | 0.527 | 1480. | 0.8 |
| 480 | 484.0 | 5.271 | 34.977 | 5.20 | 0.31 | 27.626 | 0.528 | 1480. | 1.0 |
| 482 | 486.0 | 5.271 | 34.978 | 5.17 | 0.32 | 27.626 | 0.529 | 1480. | 1.2 |
| 484 | 488.0 | 5.265 | 34.978 | 5.25 | 0.32 | 27.627 | 0.530 | 1480. | 1.4 |
| 486 | 490.1 | 5.264 | 34.979 | 5.25 | 0.32 | 27.628 | 0.531 | 1480. | 1.5 |
| 488 | 491.9 | 5.257 | 34.980 | 5.21 | 0.32 | 27.629 | 0.532 | 1480. | 1.6 |
| 490 | 494.1 | 5.244 | 34.982 | 5.21 | 0.32 | 27.632 | 0.533 | 1480. | 1.6 |
| 492 | 496.0 | 5.233 | 34.982 | 5.25 | 0.32 | 27.634 | 0.534 | 1480. | 1.7 |
| 494 | 498.0 | 5.211 | 34.980 | 5.22 | 0.32 | 27.635 | 0.535 | 1480. | 1.8 |
| 496 | 500.1 | 5.190 | 34.978 | 5.26 | 0.32 | 27.636 | 0.536 | 1480. | 1.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 47 | 13 JUL 1982 | 1304 | 40°15.1'N | 67°43.0'W | 1345 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYNT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 515 | 520.1 | 5.083 | 34.976 | 5.31 | 0.34 | 27.646 | 0.546 | 1480. | 1.6 |
| 535 | 540.0 | 4.983 | 34.979 | 5.40 | 0.34 | 27.661 | 0.556 | 1479. | 1.3 |
| 555 | 560.0 | 4.862 | 34.972 | 5.50 | 0.35 | 27.669 | 0.565 | 1479. | 0.4 |
| 575 | 579.9 | 4.816 | 34.968 | 5.50 | 0.35 | 27.671 | 0.575 | 1479. | 0.7 |
| 595 | 600.0 | 4.786 | 34.966 | 5.50 | 0.36 | 27.673 | 0.585 | 1480. | 0.8 |
| 614 | 620.1 | 4.715 | 34.964 | 5.57 | 0.35 | 27.680 | 0.594 | 1480. | 0.5 |
| 634 | 640.1 | 4.701 | 34.963 | 5.52 | 0.35 | 27.681 | 0.604 | 1480. | 0.4 |
| 654 | 660.1 | 4.643 | 34.959 | 5.57 | 0.35 | 27.684 | 0.613 | 1480. | 1.0 |
| 674 | 679.9 | 4.575 | 34.956 | 5.61 | 0.34 | 27.689 | 0.622 | 1480. | 1.1 |
| 693 | 699.9 | 4.473 | 34.949 | 5.64 | 0.34 | 27.695 | 0.632 | 1480. | 1.0 |
| 713 | 720.0 | 4.423 | 34.949 | 5.66 | 0.34 | 27.700 | 0.641 | 1480. | 0.9 |
| 732 | 739.0 | 4.416 | 34.948 | 5.66 | 0.33 | 27.700 | 0.650 | 1480. | 0.9 |

STA 48 DAY: 13 TIME: 1441

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 24.1 | 25.3 | 18.4 | 56.4 | 14.1 | 88.3 | 14.8 | 134.5 | 12.8 |
| 1.9 | 24.0 | 26.3 | 18.2 | 57.3 | 14.2 | 88.3 | 14.7 | 136.4 | 12.8 |
| 3.9 | 24.0 | 26.3 | 18.1 | 57.3 | 14.2 | 88.3 | 14.6 | 138.3 | 12.8 |
| 4.9 | 24.0 | 26.3 | 18.0 | 57.3 | 14.3 | 89.2 | 14.6 | 140.3 | 12.8 |
| 5.8 | 24.0 | 26.3 | 17.9 | 57.3 | 14.3 | 90.2 | 14.6 | 141.2 | 12.7 |
| 6.8 | 23.9 | 26.3 | 17.7 | 57.3 | 14.4 | 92.1 | 14.6 | 142.2 | 12.7 |
| 6.8 | 23.9 | 27.3 | 17.6 | 58.3 | 14.4 | 93.1 | 14.5 | 145.1 | 12.6 |
| 7.8 | 23.8 | 28.2 | 17.4 | 58.3 | 14.5 | 94.1 | 14.4 | 147.0 | 12.6 |
| 7.8 | 23.7 | 28.2 | 17.3 | 59.3 | 14.5 | 95.0 | 14.4 | 148.9 | 12.5 |
| 7.8 | 23.6 | 29.2 | 17.2 | 59.3 | 14.7 | 95.0 | 14.3 | 149.9 | 12.5 |
| 8.8 | 23.5 | 30.2 | 17.2 | 59.3 | 14.7 | 96.0 | 14.2 | 151.8 | 12.5 |
| 8.8 | 23.5 | 32.1 | 17.0 | 59.3 | 14.8 | 96.0 | 14.1 | 153.7 | 12.4 |
| 9.7 | 23.6 | 32.1 | 17.0 | 60.2 | 15.0 | 97.9 | 14.0 | 154.7 | 12.4 |
| 10.7 | 23.5 | 33.1 | 17.0 | 60.2 | 15.1 | 97.9 | 13.9 | 156.6 | 12.4 |
| 11.7 | 23.4 | 34.1 | 16.7 | 60.2 | 15.2 | 97.9 | 13.8 | 158.5 | 12.4 |
| 12.7 | 23.3 | 34.1 | 16.6 | 60.2 | 15.3 | 98.9 | 13.8 | 159.4 | 12.4 |
| 13.6 | 23.2 | 35.0 | 16.5 | 61.2 | 15.4 | 99.9 | 13.7 | 160.4 | 12.4 |
| 13.6 | 23.1 | 35.0 | 16.3 | 61.2 | 15.5 | 99.9 | 13.6 | 161.4 | 12.4 |
| 13.6 | 23.0 | 35.0 | 16.2 | 62.2 | 15.6 | 101.8 | 13.6 | 162.3 | 12.3 |
| 15.6 | 22.9 | 35.0 | 16.0 | 62.2 | 15.6 | 103.7 | 13.6 | 163.3 | 12.2 |
| 14.6 | 22.8 | 36.0 | 15.9 | 63.1 | 15.6 | 104.7 | 13.6 | 165.2 | 12.2 |
| 14.6 | 22.6 | 36.0 | 15.8 | 64.1 | 15.6 | 105.6 | 13.5 | 166.2 | 12.2 |
| 14.6 | 22.3 | 36.0 | 15.8 | 64.1 | 15.6 | 106.6 | 13.5 | 167.1 | 12.1 |
| 15.6 | 22.2 | 37.0 | 15.6 | 65.1 | 15.5 | 107.6 | 13.4 | 169.0 | 12.1 |
| 15.6 | 22.1 | 37.9 | 15.6 | 66.0 | 15.5 | 109.5 | 13.4 | 170.0 | 12.0 |
| 15.6 | 21.9 | 38.9 | 15.5 | 67.0 | 15.4 | 110.5 | 13.4 | 171.9 | 12.0 |
| 16.6 | 21.6 | 39.9 | 15.5 | 68.0 | 15.4 | 111.4 | 13.3 | 172.9 | 12.0 |
| 16.6 | 21.4 | 39.9 | 15.4 | 69.0 | 15.5 | 112.4 | 13.3 | 174.8 | 11.9 |
| 16.6 | 21.2 | 39.9 | 15.3 | 69.0 | 15.5 | 113.4 | 13.3 | 175.7 | 11.9 |
| 17.5 | 21.1 | 40.9 | 15.1 | 69.0 | 15.5 | 115.3 | 13.3 | 176.7 | 11.8 |
| 17.5 | 20.9 | 40.9 | 15.0 | 69.9 | 15.6 | 116.2 | 13.3 | 177.6 | 11.7 |
| 17.5 | 20.7 | 41.8 | 14.9 | 70.9 | 15.6 | 116.2 | 13.4 | 178.6 | 11.7 |
| 17.5 | 20.5 | 41.8 | 14.8 | 72.8 | 15.6 | 117.2 | 13.5 | 179.5 | 11.6 |
| 18.5 | 20.4 | 41.8 | 14.8 | 73.8 | 15.6 | 117.2 | 13.5 | 180.5 | 11.5 |
| 17.5 | 20.1 | 42.8 | 14.8 | 73.8 | 15.5 | 118.2 | 13.6 | 180.5 | 11.5 |
| 17.5 | 20.0 | 43.8 | 14.7 | 74.8 | 15.5 | 120.1 | 13.6 | 182.4 | 11.4 |
| 18.5 | 19.7 | 43.8 | 14.6 | 76.7 | 15.5 | 121.1 | 13.6 | 182.4 | 11.3 |
| 18.5 | 19.6 | 44.7 | 14.5 | 77.7 | 15.5 | 122.0 | 13.6 | 183.4 | 11.3 |
| 18.5 | 19.5 | 44.7 | 14.5 | 79.6 | 15.5 | 122.0 | 13.5 | 186.2 | 11.3 |
| 19.5 | 19.4 | 45.7 | 14.4 | 80.6 | 15.5 | 123.0 | 13.5 | 188.1 | 11.3 |
| 20.4 | 19.4 | 45.7 | 14.3 | 81.5 | 15.5 | 123.9 | 13.4 | 189.1 | 11.2 |
| 21.4 | 19.4 | 46.7 | 14.2 | 82.5 | 15.4 | 123.9 | 13.3 | 190.1 | 11.2 |
| 21.4 | 19.3 | 46.7 | 14.1 | 82.5 | 15.4 | 124.9 | 13.2 | 190.1 | 11.2 |
| 22.4 | 19.2 | 47.6 | 14.1 | 84.4 | 15.4 | 125.9 | 13.1 | 191.0 | 11.1 |
| 23.4 | 19.1 | 49.6 | 14.0 | 84.4 | 15.3 | 126.8 | 13.1 | 192.0 | 11.0 |
| 23.4 | 19.1 | 49.6 | 14.0 | 85.4 | 15.2 | 127.8 | 13.0 | 192.9 | 11.0 |
| 24.3 | 18.9 | 51.5 | 14.0 | 85.4 | 15.1 | 127.8 | 13.0 | 194.8 | 11.0 |
| 25.3 | 18.8 | 53.5 | 13.9 | 86.4 | 15.0 | 129.7 | 12.9 | 195.8 | 10.9 |
| 25.3 | 18.6 | 55.4 | 13.9 | 87.3 | 15.0 | 130.7 | 12.9 | 196.7 | 10.8 |
| 25.3 | 18.5 | 55.4 | 14.0 | 87.3 | 14.9 | 132.6 | 12.8 | 197.7 | 10.8 |

STA 48 DAY: 13 TIME: 1441

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 198.6 | 10.7 | 270.8 | 8.9 | 348.1 | 7.1 | 433.9 | 5.6 | 556.4 | 4.9 |
| 200.5 | 10.7 | 271.8 | 8.9 | 349.9 | 7.1 | 434.8 | 5.5 | 561.0 | 4.9 |
| 201.5 | 10.7 | 274.6 | 8.8 | 351.8 | 7.0 | 437.6 | 5.5 | 565.6 | 4.9 |
| 201.5 | 10.6 | 276.5 | 8.8 | 352.7 | 6.9 | 443.2 | 5.5 | 569.2 | 4.9 |
| 202.5 | 10.5 | 277.4 | 8.8 | 353.7 | 6.9 | 445.0 | 5.5 | 573.8 | 4.8 |
| 203.4 | 10.5 | 278.4 | 8.8 | 354.6 | 6.9 | 447.8 | 5.5 | 577.4 | 4.9 |
| 203.4 | 10.5 | 278.4 | 8.7 | 355.6 | 6.8 | 449.6 | 5.5 | 582.0 | 4.9 |
| 205.3 | 10.4 | 279.3 | 8.7 | 357.4 | 6.8 | 451.5 | 5.5 | 585.6 | 4.8 |
| 206.3 | 10.4 | 282.2 | 8.6 | 357.4 | 6.7 | 453.3 | 5.5 | 589.3 | 4.8 |
| 208.2 | 10.4 | 284.1 | 8.6 | 358.4 | 6.7 | 454.3 | 5.4 | 595.7 | 4.8 |
| 209.1 | 10.4 | 285.9 | 8.6 | 361.2 | 6.6 | 455.2 | 5.4 | 399.3 | 4.8 |
| 210.1 | 10.4 | 288.8 | 8.6 | 363.0 | 6.6 | 458.0 | 5.4 | 602.9 | 4.8 |
| 211.0 | 10.4 | 290.7 | 8.6 | 364.0 | 6.6 | 459.8 | 5.4 | 605.7 | 4.8 |
| 212.9 | 10.3 | 291.6 | 8.5 | 365.8 | 6.5 | 462.6 | 5.4 | 609.3 | 4.8 |
| 213.9 | 10.3 | 292.6 | 8.5 | 365.8 | 6.4 | 464.5 | 5.4 | 614.7 | 4.8 |
| 214.8 | 10.2 | 294.4 | 8.4 | 368.7 | 6.4 | 466.3 | 5.4 | 617.5 | 4.8 |
| 215.8 | 10.2 | 295.4 | 8.4 | 370.5 | 6.4 | 468.2 | 5.4 | 620.2 | 4.8 |
| 217.7 | 10.2 | 295.4 | 8.3 | 371.5 | 6.4 | 470.9 | 5.3 | 621.1 | 4.8 |
| 218.6 | 10.1 | 296.3 | 8.3 | 373.3 | 6.4 | 472.8 | 5.3 | 624.7 | 4.7 |
| 219.6 | 10.1 | 298.2 | 8.3 | 374.3 | 6.3 | 474.6 | 5.3 | 626.5 | 4.7 |
| 221.5 | 10.1 | 299.2 | 8.3 | 377.1 | 6.3 | 475.5 | 5.3 | 628.4 | 4.7 |
| 224.4 | 10.1 | 301.0 | 8.2 | 378.9 | 6.3 | 477.4 | 5.2 | 630.2 | 4.7 |
| 225.3 | 10.1 | 302.0 | 8.2 | 380.8 | 6.2 | 480.2 | 5.2 | 632.9 | 4.7 |
| 226.3 | 10.0 | 303.9 | 8.2 | 381.7 | 6.2 | 482.9 | 5.2 | 634.7 | 4.7 |
| 227.2 | 9.9 | 304.8 | 8.1 | 381.7 | 6.1 | 485.7 | 5.2 | 638.3 | 4.7 |
| 228.2 | 9.9 | 306.7 | 8.1 | 383.6 | 6.1 | 487.5 | 5.2 | 643.8 | 4.7 |
| 230.1 | 9.9 | 307.6 | 8.1 | 385.5 | 6.0 | 489.4 | 5.2 | 647.4 | 4.7 |
| 231.0 | 9.8 | 309.5 | 8.1 | 387.3 | 6.0 | 490.3 | 5.2 | 649.2 | 4.7 |
| 233.9 | 9.9 | 311.4 | 8.0 | 390.1 | 6.0 | 493.1 | 5.2 | 652.8 | 4.7 |
| 234.8 | 9.8 | 314.2 | 7.9 | 392.0 | 6.0 | 494.9 | 5.2 | 657.3 | 4.6 |
| 236.7 | 9.8 | 315.2 | 7.9 | 393.9 | 6.0 | 496.8 | 5.2 | 660.9 | 4.6 |
| 237.7 | 9.8 | 316.1 | 7.8 | 395.7 | 5.9 | 498.6 | 5.2 | 664.5 | 4.6 |
| 238.6 | 9.8 | 317.1 | 7.6 | 397.6 | 5.9 | 499.5 | 5.2 | 667.2 | 4.6 |
| 241.5 | 9.7 | 319.9 | 7.6 | 399.5 | 5.9 | 503.2 | 5.1 | 670.9 | 4.5 |
| 243.4 | 9.7 | 321.8 | 7.6 | 401.3 | 5.9 | 504.1 | 5.1 | 673.6 | 4.5 |
| 245.2 | 9.6 | 323.6 | 7.5 | 403.2 | 5.9 | 506.0 | 5.0 | 677.2 | 4.5 |
| 248.1 | 9.5 | 325.5 | 7.5 | 405.1 | 5.9 | 508.7 | 5.0 | 679.9 | 4.4 |
| 250.9 | 9.5 | 327.4 | 7.5 | 406.0 | 5.8 | 513.3 | 5.0 | 683.5 | 4.5 |
| 253.8 | 9.5 | 328.3 | 7.5 | 407.8 | 5.8 | 517.9 | 5.0 | 686.2 | 4.5 |
| 255.7 | 9.5 | 329.3 | 7.4 | 409.7 | 5.8 | 523.4 | 5.0 | 690.7 | 4.5 |
| 257.6 | 9.4 | 331.2 | 7.4 | 409.7 | 5.8 | 527.1 | 5.0 | 694.3 | 4.4 |
| 258.5 | 9.3 | 333.0 | 7.3 | 412.5 | 5.8 | 530.8 | 5.0 | 698.8 | 4.4 |
| 259.5 | 9.2 | 334.9 | 7.3 | 416.2 | 5.7 | 536.3 | 5.0 | 703.2 | 4.4 |
| 260.4 | 9.1 | 335.9 | 7.3 | 418.1 | 5.7 | 539.9 | 5.0 | 706.8 | 4.5 |
| 260.4 | 9.1 | 337.7 | 7.2 | 419.9 | 5.7 | 543.6 | 5.0 | 709.5 | 4.5 |
| 262.3 | 9.0 | 339.6 | 7.2 | 420.9 | 5.7 | 546.4 | 5.0 | 713.1 | 4.4 |
| 264.2 | 9.0 | 341.5 | 7.2 | 421.8 | 5.7 | 549.1 | 5.0 | 715.8 | 4.4 |
| 266.1 | 9.0 | 344.3 | 7.2 | 426.5 | 5.6 | 550.9 | 5.0 | 720.3 | 4.4 |
| 268.0 | 9.0 | 346.2 | 7.2 | 429.2 | 5.6 | 551.8 | 4.9 | 725.7 | 4.4 |
| 269.9 | 9.0 | 347.1 | 7.1 | 432.0 | 5.6 | 553.7 | 4.9 | 730.1 | 4.4 |

STA 48 DAY: 13 TIME: 1441

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|
| 732.8 | 4.4 | 921.9 | 4.2 | 1178.3 | 4.0 |
| 736.4 | 4.4 | 924.6 | 4.2 | 1185.1 | 4.1 |
| 740.9 | 4.4 | 928.1 | 4.2 | 1188.4 | 4.0 |
| 744.4 | 4.4 | 933.3 | 4.2 | 1191.8 | 4.0 |
| 746.2 | 4.4 | 938.5 | 4.2 | 1195.2 | 4.0 |
| 749.8 | 4.4 | 942.9 | 4.2 | 1197.7 | 4.0 |
| 752.5 | 4.4 | 949.0 | 4.2 | 1199.4 | 4.0 |
| 755.2 | 4.4 | 953.3 | 4.2 | | |
| 765.9 | 4.4 | 955.9 | 4.2 | | |
| 769.4 | 4.4 | 962.9 | 4.2 | | |
| 772.1 | 4.4 | 970.7 | 4.2 | | |
| 775.7 | 4.4 | 975.9 | 4.2 | | |
| 778.3 | 4.4 | 982.8 | 4.1 | | |
| 781.0 | 4.4 | 987.1 | 4.1 | | |
| 784.5 | 4.4 | 992.3 | 4.1 | | |
| 787.2 | 4.4 | 997.5 | 4.1 | | |
| 790.8 | 4.4 | 1000.9 | 4.1 | | |
| 795.2 | 4.3 | 1007.9 | 4.1 | | |
| 798.8 | 4.3 | 1013.9 | 4.1 | | |
| 805.0 | 4.3 | 1020.8 | 4.1 | | |
| 810.3 | 4.3 | 1026.8 | 4.1 | | |
| 812.9 | 4.3 | 1032.0 | 4.1 | | |
| 817.4 | 4.3 | 1038.8 | 4.1 | | |
| 820.9 | 4.3 | 1044.0 | 4.2 | | |
| 824.4 | 4.3 | 1050.9 | 4.1 | | |
| 827.1 | 4.3 | 1058.6 | 4.1 | | |
| 830.6 | 4.3 | 1062.9 | 4.1 | | |
| 835.0 | 4.3 | 1068.0 | 4.1 | | |
| 839.5 | 4.2 | 1072.3 | 4.1 | | |
| 843.0 | 4.2 | 1077.4 | 4.1 | | |
| 845.6 | 4.2 | 1081.7 | 4.1 | | |
| 851.8 | 4.3 | 1086.8 | 4.1 | | |
| 855.3 | 4.3 | 1091.9 | 4.1 | | |
| 862.4 | 4.3 | 1097.9 | 4.1 | | |
| 866.8 | 4.3 | 1103.8 | 4.1 | | |
| 868.5 | 4.3 | 1108.1 | 4.1 | | |
| 872.0 | 4.3 | 1113.2 | 4.1 | | |
| 875.5 | 4.2 | 1117.4 | 4.1 | | |
| 879.1 | 4.2 | 1119.1 | 4.1 | | |
| 883.4 | 4.2 | 1126.8 | 4.1 | | |
| 886.1 | 4.2 | 1131.9 | 4.1 | | |
| 890.5 | 4.3 | 1136.1 | 4.1 | | |
| 893.1 | 4.3 | 1140.3 | 4.1 | | |
| 895.7 | 4.3 | 1144.6 | 4.1 | | |
| 898.3 | 4.3 | 1150.5 | 4.1 | | |
| 901.8 | 4.2 | 1154.7 | 4.1 | | |
| 907.1 | 4.2 | 1158.1 | 4.1 | | |
| 910.6 | 4.3 | 1162.3 | 4.1 | | |
| 915.8 | 4.2 | 1167.4 | 4.1 | | |
| 918.5 | 4.2 | 1173.3 | 4.0 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 49 | 13 JUL 1982 | 1513 | 40°14.3'N | 67°57.6'W | 800 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYNT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.1 | 22.978 | 35.421 | 4.84 | 0.26 | 24.261 | 0.000 | 1530. | 11.6 |
| 4 | 4.0 | 22.953 | 35.420 | 4.81 | 0.26 | 24.267 | 0.007 | 1530. | 11.6 |
| 6 | 5.9 | 22.685 | 35.405 | 4.90 | 0.26 | 24.333 | 0.014 | 1529. | 11.6 |
| 8 | 8.0 | 22.334 | 35.418 | 4.93 | 0.24 | 24.443 | 0.021 | 1528. | 11.6 |
| 10 | 10.1 | 22.088 | 35.423 | 5.02 | 0.23 | 24.516 | 0.028 | 1528. | 11.6 |
| 12 | 11.9 | 21.848 | 35.436 | 5.06 | 0.22 | 24.593 | 0.034 | 1527. | 11.9 |
| 14 | 14.1 | 21.255 | 35.423 | 5.11 | 0.22 | 24.747 | 0.042 | 1526. | 12.0 |
| 16 | 15.8 | 20.995 | 35.434 | 5.16 | 0.22 | 24.827 | 0.047 | 1525. | 12.0 |
| 18 | 18.1 | 20.769 | 35.412 | 5.20 | 0.23 | 24.871 | 0.054 | 1524. | 12.3 |
| 20 | 20.0 | 20.553 | 35.434 | 5.25 | 0.24 | 24.947 | 0.060 | 1524. | 12.6 |
| 22 | 21.9 | 20.083 | 35.444 | 5.32 | 0.25 | 25.080 | 0.066 | 1523. | 13.0 |
| 24 | 24.1 | 19.832 | 35.478 | 5.37 | 0.24 | 25.172 | 0.072 | 1522. | 13.8 |
| 26 | 25.8 | 19.315 | 35.484 | 5.45 | 0.23 | 25.311 | 0.076 | 1521. | 14.3 |
| 28 | 28.2 | 18.698 | 35.481 | 5.49 | 0.22 | 25.467 | 0.082 | 1519. | 14.4 |
| 30 | 29.9 | 18.195 | 35.492 | 5.56 | 0.21 | 25.602 | 0.087 | 1517. | 13.9 |
| 32 | 31.9 | 17.670 | 35.565 | 5.54 | 0.22 | 25.772 | 0.091 | 1516. | 13.4 |
| 34 | 34.0 | 17.567 | 35.633 | 5.49 | 0.27 | 25.864 | 0.096 | 1516. | 12.3 |
| 36 | 35.9 | 17.539 | 35.731 | 5.39 | 0.33 | 25.947 | 0.100 | 1516. | 11.1 |
| 38 | 38.1 | 17.415 | 35.754 | 5.20 | 0.33 | 25.994 | 0.104 | 1516. | 9.9 |
| 40 | 39.8 | 17.409 | 35.825 | 5.04 | 0.32 | 26.050 | 0.108 | 1516. | 8.8 |
| 42 | 42.1 | 17.265 | 35.819 | 4.78 | 0.31 | 26.080 | 0.112 | 1515. | 8.4 |
| 44 | 43.9 | 16.918 | 35.742 | 4.64 | 0.29 | 26.104 | 0.116 | 1514. | 8.2 |
| 46 | 46.2 | 16.618 | 35.708 | 4.59 | 0.26 | 26.149 | 0.120 | 1513. | 8.1 |
| 48 | 48.0 | 16.525 | 35.732 | 4.51 | 0.25 | 26.190 | 0.123 | 1513. | 8.0 |
| 50 | 50.0 | 16.044 | 35.680 | 4.52 | 0.21 | 26.261 | 0.127 | 1512. | 8.0 |
| 52 | 52.2 | 15.868 | 35.681 | 4.47 | 0.18 | 26.303 | 0.131 | 1511. | 8.1 |
| 54 | 53.9 | 15.753 | 35.659 | 4.48 | 0.18 | 26.313 | 0.134 | 1511. | 8.0 |
| 56 | 56.1 | 15.559 | 35.656 | 4.43 | 0.17 | 26.353 | 0.137 | 1510. | 7.8 |
| 58 | 58.0 | 15.287 | 35.612 | 4.47 | 0.14 | 26.381 | 0.141 | 1509. | 7.5 |
| 60 | 60.0 | 15.038 | 35.628 | 4.46 | 0.13 | 26.449 | 0.144 | 1509. | 7.4 |
| 62 | 62.0 | 15.061 | 35.686 | 4.44 | 0.11 | 26.488 | 0.147 | 1509. | 7.2 |
| 63 | 64.0 | 15.086 | 35.715 | 4.34 | 0.11 | 26.505 | 0.150 | 1509. | 6.8 |
| 66 | 66.0 | 15.093 | 35.753 | 4.30 | 0.10 | 26.533 | 0.153 | 1509. | 6.4 |
| 67 | 67.9 | 15.064 | 35.767 | 4.22 | 0.10 | 26.550 | 0.156 | 1509. | 5.9 |
| 70 | 70.1 | 15.077 | 35.799 | 4.16 | 0.10 | 26.572 | 0.159 | 1509. | 5.8 |
| 71 | 71.8 | 14.984 | 35.787 | 4.13 | 0.10 | 26.583 | 0.162 | 1509. | 5.7 |
| 74 | 74.2 | 14.577 | 35.710 | 4.15 | 0.10 | 26.613 | 0.165 | 1507. | 5.6 |
| 75 | 75.9 | 14.313 | 35.667 | 4.22 | 0.09 | 26.637 | 0.168 | 1507. | 5.5 |
| 77 | 78.1 | 14.279 | 35.682 | 4.17 | 0.09 | 26.656 | 0.171 | 1506. | 5.2 |
| 79 | 80.0 | 14.345 | 35.718 | 4.19 | 0.10 | 26.669 | 0.173 | 1507. | 4.9 |
| 81 | 82.0 | 14.264 | 35.713 | 4.20 | 0.10 | 26.683 | 0.176 | 1507. | 4.5 |
| 83 | 83.9 | 14.226 | 35.718 | 4.23 | 0.09 | 26.695 | 0.179 | 1506. | 4.2 |
| 85 | 86.0 | 14.168 | 35.711 | 4.21 | 0.09 | 26.702 | 0.182 | 1506. | 4.0 |
| 87 | 88.1 | 13.869 | 35.636 | 4.26 | 0.09 | 26.707 | 0.184 | 1505. | 3.9 |
| 89 | 90.1 | 13.762 | 35.625 | 4.30 | 0.09 | 26.721 | 0.187 | 1505. | 4.0 |
| 91 | 91.9 | 13.757 | 35.631 | 4.36 | 0.09 | 26.727 | 0.190 | 1505. | 4.3 |
| 93 | 94.1 | 13.805 | 35.658 | 4.36 | 0.09 | 26.738 | 0.192 | 1505. | 4.5 |
| 95 | 96.0 | 13.741 | 35.653 | 4.34 | 0.08 | 26.748 | 0.195 | 1505. | 4.5 |
| 97 | 97.8 | 13.623 | 35.653 | 4.32 | 0.08 | 26.772 | 0.197 | 1505. | 4.3 |
| 99 | 100.0 | 13.615 | 35.674 | 4.23 | 0.08 | 26.789 | 0.200 | 1505. | 4.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 49 | 13 JUL 1982 | 1513 | 40°14.3'N | 67°57.6'W | 800 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYNT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 101.9 | 13.563 | 35.667 | 4.21 | 0.08 | 26.795 | 0.203 | 1505. | 3.7 |
| 103 | 104.0 | 13.533 | 35.666 | 4.17 | 0.08 | 26.800 | 0.205 | 1504. | 3.4 |
| 105 | 106.0 | 13.526 | 35.664 | 4.18 | 0.08 | 26.801 | 0.208 | 1504. | 3.1 |
| 107 | 108.0 | 13.499 | 35.659 | 4.20 | 0.08 | 26.802 | 0.210 | 1504. | 3.3 |
| 109 | 110.0 | 13.470 | 35.659 | 4.19 | 0.08 | 26.808 | 0.213 | 1504. | 3.6 |
| 111 | 112.0 | 13.396 | 35.656 | 4.19 | 0.08 | 26.821 | 0.215 | 1504. | 3.9 |
| 113 | 114.0 | 13.245 | 35.629 | 4.20 | 0.08 | 26.831 | 0.218 | 1504. | 4.2 |
| 115 | 116.0 | 13.142 | 35.624 | 4.21 | 0.08 | 26.849 | 0.220 | 1503. | 4.3 |
| 117 | 118.0 | 13.216 | 35.662 | 4.16 | 0.08 | 26.863 | 0.223 | 1504. | 4.3 |
| 119 | 120.1 | 13.176 | 35.654 | 4.09 | 0.08 | 26.865 | 0.225 | 1504. | 4.2 |
| 121 | 122.0 | 13.033 | 35.637 | 4.01 | 0.08 | 26.881 | 0.227 | 1503. | 4.2 |
| 123 | 124.1 | 12.997 | 35.645 | 3.95 | 0.08 | 26.894 | 0.230 | 1503. | 4.0 |
| 125 | 125.8 | 12.928 | 35.633 | 3.90 | 0.08 | 26.898 | 0.232 | 1503. | 3.9 |
| 127 | 128.1 | 12.747 | 35.601 | 3.84 | 0.08 | 26.910 | 0.235 | 1502. | 3.8 |
| 129 | 130.0 | 12.701 | 35.608 | 3.90 | 0.08 | 26.924 | 0.237 | 1502. | 3.4 |
| 131 | 132.0 | 12.684 | 35.607 | 3.92 | 0.08 | 26.928 | 0.239 | 1502. | 3.3 |
| 133 | 134.1 | 12.625 | 35.596 | 3.94 | 0.08 | 26.930 | 0.242 | 1502. | 3.2 |
| 135 | 135.8 | 12.564 | 35.586 | 3.94 | 0.08 | 26.935 | 0.244 | 1502. | 3.0 |
| 137 | 138.1 | 12.471 | 35.568 | 3.92 | 0.08 | 26.939 | 0.246 | 1501. | 3.1 |
| 139 | 139.9 | 12.393 | 35.558 | 3.95 | 0.08 | 26.947 | 0.248 | 1501. | 3.5 |
| 141 | 142.0 | 12.314 | 35.548 | 3.93 | 0.08 | 26.955 | 0.251 | 1501. | 3.6 |
| 143 | 144.0 | 12.238 | 35.535 | 3.93 | 0.08 | 26.959 | 0.253 | 1501. | 3.7 |
| 145 | 146.1 | 12.056 | 35.510 | 3.88 | 0.08 | 26.975 | 0.255 | 1500. | 3.8 |
| 147 | 147.9 | 11.977 | 35.506 | 3.87 | 0.08 | 26.987 | 0.257 | 1500. | 3.7 |
| 149 | 150.0 | 11.967 | 35.508 | 3.78 | 0.08 | 26.991 | 0.260 | 1500. | 3.6 |
| 151 | 152.0 | 11.860 | 35.490 | 3.75 | 0.08 | 26.997 | 0.262 | 1499. | 3.5 |
| 153 | 154.0 | 11.778 | 35.482 | 3.74 | 0.08 | 27.007 | 0.264 | 1499. | 3.3 |
| 155 | 156.0 | 11.750 | 35.483 | 3.71 | 0.08 | 27.013 | 0.266 | 1499. | 3.3 |
| 157 | 158.0 | 11.733 | 35.484 | 3.67 | 0.08 | 27.017 | 0.268 | 1499. | 3.3 |
| 159 | 160.0 | 11.677 | 35.478 | 3.65 | 0.08 | 27.023 | 0.270 | 1499. | 3.2 |
| 161 | 162.0 | 11.565 | 35.463 | 3.65 | 0.08 | 27.032 | 0.272 | 1499. | 3.0 |
| 163 | 164.1 | 11.525 | 35.461 | 3.57 | 0.09 | 27.038 | 0.275 | 1498. | 2.9 |
| 165 | 166.0 | 11.493 | 35.458 | 3.55 | 0.09 | 27.042 | 0.277 | 1498. | 2.8 |
| 167 | 168.0 | 11.447 | 35.452 | 3.55 | 0.09 | 27.046 | 0.279 | 1498. | 2.9 |
| 169 | 170.1 | 11.420 | 35.448 | 3.54 | 0.09 | 27.048 | 0.281 | 1498. | 2.9 |
| 171 | 171.9 | 11.357 | 35.441 | 3.53 | 0.09 | 27.054 | 0.283 | 1498. | 3.1 |
| 173 | 174.1 | 11.299 | 35.432 | 3.48 | 0.09 | 27.058 | 0.285 | 1498. | 3.2 |
| 174 | 175.9 | 11.156 | 35.412 | 3.53 | 0.09 | 27.068 | 0.287 | 1497. | 3.3 |
| 177 | 178.0 | 11.084 | 35.406 | 3.48 | 0.09 | 27.077 | 0.289 | 1497. | 3.4 |
| 178 | 179.9 | 10.981 | 35.391 | 3.48 | 0.09 | 27.084 | 0.291 | 1497. | 3.3 |
| 181 | 182.1 | 10.951 | 35.391 | 3.46 | 0.09 | 27.090 | 0.293 | 1497. | 3.3 |
| 182 | 183.8 | 10.904 | 35.384 | 3.47 | 0.09 | 27.093 | 0.295 | 1497. | 3.1 |
| 184 | 186.0 | 10.800 | 35.371 | 3.43 | 0.09 | 27.102 | 0.297 | 1496. | 3.1 |
| 187 | 188.1 | 10.764 | 35.367 | 3.44 | 0.09 | 27.105 | 0.299 | 1496. | 3.0 |
| 188 | 189.8 | 10.689 | 35.358 | 3.47 | 0.09 | 27.111 | 0.301 | 1496. | 2.9 |
| 190 | 192.0 | 10.623 | 35.352 | 3.43 | 0.09 | 27.118 | 0.303 | 1496. | 2.8 |
| 192 | 194.0 | 10.604 | 35.352 | 3.45 | 0.09 | 27.122 | 0.305 | 1496. | 2.8 |
| 194 | 196.0 | 10.574 | 35.348 | 3.42 | 0.09 | 27.124 | 0.307 | 1496. | 2.8 |
| 196 | 198.0 | 10.530 | 35.343 | 3.42 | 0.09 | 27.127 | 0.309 | 1495. | 2.7 |
| 198 | 200.0 | 10.427 | 35.329 | 3.42 | 0.09 | 27.135 | 0.311 | 1495. | 2.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 49 | 13 JUL 1982 | 1513 | 40°14.3'N | 67°57.6'W | 800 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 201.9 | 10.376 | 35.324 | 3.41 | 0.09 | 27.140 | 0.313 | 1495. | 2.9 |
| 202 | 203.9 | 10.339 | 35.320 | 3.40 | 0.09 | 27.144 | 0.315 | 1495. | 3.0 |
| 204 | 206.0 | 10.303 | 35.315 | 3.39 | 0.09 | 27.146 | 0.317 | 1495. | 3.1 |
| 206 | 208.0 | 10.222 | 35.305 | 3.40 | 0.09 | 27.152 | 0.318 | 1494. | 3.1 |
| 208 | 210.0 | 10.104 | 35.292 | 3.41 | 0.09 | 27.162 | 0.320 | 1494. | 3.1 |
| 210 | 212.0 | 10.045 | 35.287 | 3.40 | 0.09 | 27.169 | 0.322 | 1494. | 3.2 |
| 212 | 214.1 | 9.963 | 35.277 | 3.40 | 0.09 | 27.175 | 0.324 | 1494. | 3.2 |
| 214 | 216.0 | 9.912 | 35.270 | 3.40 | 0.09 | 27.179 | 0.326 | 1493. | 3.2 |
| 216 | 218.0 | 9.871 | 35.267 | 3.39 | 0.09 | 27.183 | 0.328 | 1493. | 3.1 |
| 218 | 220.0 | 9.797 | 35.259 | 3.40 | 0.09 | 27.189 | 0.330 | 1493. | 3.0 |
| 220 | 222.0 | 9.694 | 35.248 | 3.40 | 0.09 | 27.198 | 0.331 | 1493. | 3.0 |
| 222 | 224.0 | 9.624 | 35.240 | 3.41 | 0.09 | 27.204 | 0.333 | 1492. | 3.0 |
| 224 | 226.0 | 9.563 | 35.233 | 3.40 | 0.09 | 27.209 | 0.335 | 1492. | 2.9 |
| 226 | 228.0 | 9.534 | 35.228 | 3.40 | 0.10 | 27.210 | 0.337 | 1492. | 2.7 |
| 228 | 230.0 | 9.481 | 35.223 | 3.41 | 0.09 | 27.215 | 0.339 | 1492. | 2.4 |
| 230 | 232.0 | 9.439 | 35.222 | 3.41 | 0.10 | 27.220 | 0.340 | 1492. | 2.3 |
| 232 | 234.0 | 9.408 | 35.219 | 3.41 | 0.10 | 27.223 | 0.342 | 1492. | 2.3 |
| 234 | 236.0 | 9.400 | 35.219 | 3.40 | 0.10 | 27.224 | 0.344 | 1492. | 2.5 |
| 236 | 238.0 | 9.384 | 35.217 | 3.40 | 0.10 | 27.225 | 0.346 | 1492. | 2.6 |
| 238 | 240.0 | 9.339 | 35.212 | 3.41 | 0.10 | 27.230 | 0.348 | 1492. | 2.7 |
| 240 | 242.0 | 9.265 | 35.204 | 3.39 | 0.10 | 27.236 | 0.349 | 1491. | 2.8 |
| 242 | 244.0 | 9.149 | 35.192 | 3.41 | 0.10 | 27.245 | 0.351 | 1491. | 2.9 |
| 244 | 246.0 | 9.102 | 35.187 | 3.42 | 0.10 | 27.248 | 0.353 | 1491. | 2.9 |
| 246 | 248.0 | 9.064 | 35.185 | 3.44 | 0.10 | 27.253 | 0.354 | 1491. | 2.7 |
| 248 | 250.1 | 9.006 | 35.180 | 3.41 | 0.10 | 27.258 | 0.356 | 1491. | 2.6 |
| 250 | 251.9 | 8.974 | 35.175 | 3.44 | 0.10 | 27.260 | 0.358 | 1490. | 2.7 |
| 252 | 254.0 | 8.955 | 35.174 | 3.44 | 0.11 | 27.262 | 0.360 | 1490. | 2.9 |
| 254 | 256.0 | 8.938 | 35.174 | 3.44 | 0.11 | 27.265 | 0.361 | 1490. | 3.1 |
| 256 | 257.9 | 8.858 | 35.167 | 3.47 | 0.11 | 27.272 | 0.363 | 1490. | 3.3 |
| 258 | 260.0 | 8.729 | 35.158 | 3.49 | 0.11 | 27.286 | 0.365 | 1490. | 3.4 |
| 260 | 262.0 | 8.653 | 35.152 | 3.52 | 0.11 | 27.293 | 0.366 | 1489. | 3.4 |
| 262 | 264.0 | 8.588 | 35.147 | 3.53 | 0.11 | 27.299 | 0.368 | 1489. | 3.4 |
| 264 | 266.1 | 8.539 | 35.143 | 3.55 | 0.11 | 27.304 | 0.370 | 1489. | 3.2 |
| 266 | 268.0 | 8.493 | 35.140 | 3.56 | 0.11 | 27.309 | 0.371 | 1489. | 3.0 |
| 268 | 270.1 | 8.429 | 35.134 | 3.57 | 0.11 | 27.314 | 0.373 | 1489. | 3.1 |
| 270 | 272.0 | 8.369 | 35.130 | 3.61 | 0.11 | 27.320 | 0.374 | 1488. | 3.1 |
| 272 | 274.0 | 8.312 | 35.126 | 3.63 | 0.11 | 27.326 | 0.376 | 1488. | 3.0 |
| 274 | 276.0 | 8.257 | 35.122 | 3.68 | 0.11 | 27.331 | 0.378 | 1488. | 3.0 |
| 276 | 278.0 | 8.166 | 35.116 | 3.65 | 0.11 | 27.340 | 0.379 | 1488. | 2.8 |
| 278 | 280.1 | 8.142 | 35.115 | 3.65 | 0.11 | 27.343 | 0.381 | 1488. | 2.6 |
| 280 | 282.0 | 8.126 | 35.113 | 3.73 | 0.11 | 27.344 | 0.382 | 1488. | 2.4 |
| 282 | 284.0 | 8.081 | 35.110 | 3.70 | 0.11 | 27.349 | 0.384 | 1488. | 2.3 |
| 284 | 286.0 | 8.051 | 35.109 | 3.69 | 0.11 | 27.352 | 0.385 | 1487. | 2.1 |
| 286 | 288.0 | 8.045 | 35.109 | 3.73 | 0.11 | 27.353 | 0.387 | 1488. | 2.1 |
| 288 | 290.0 | 8.023 | 35.107 | 3.76 | 0.11 | 27.355 | 0.388 | 1487. | 2.4 |
| 290 | 292.0 | 7.989 | 35.105 | 3.74 | 0.12 | 27.358 | 0.390 | 1487. | 2.6 |
| 292 | 294.1 | 7.958 | 35.103 | 3.74 | 0.12 | 27.362 | 0.391 | 1487. | 2.7 |
| 294 | 296.0 | 7.922 | 35.100 | 3.77 | 0.12 | 27.364 | 0.393 | 1487. | 2.8 |
| 295 | 297.9 | 7.815 | 35.094 | 3.80 | 0.12 | 27.375 | 0.394 | 1487. | 2.8 |
| 298 | 300.0 | 7.760 | 35.091 | 3.82 | 0.12 | 27.382 | 0.396 | 1487. | 2.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 49 | 13 JUL 1982 | 1513 | 40°14.3'N | 67°57.6'W | 800 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 300 | 302.0 | 7.752 | 35.091 | 3.83 | 0.12 | 27.383 | 0.397 | 1487. | 2.8 |
| 302 | 304.1 | 7.740 | 35.091 | 3.87 | 0.12 | 27.384 | 0.399 | 1487. | 2.8 |
| 303 | 305.9 | 7.661 | 35.085 | 3.92 | 0.12 | 27.391 | 0.400 | 1486. | 2.7 |
| 305 | 308.0 | 7.611 | 35.083 | 3.90 | 0.13 | 27.397 | 0.402 | 1486. | 2.7 |
| 308 | 310.1 | 7.579 | 35.082 | 3.90 | 0.13 | 27.401 | 0.403 | 1486. | 2.8 |
| 309 | 311.9 | 7.533 | 35.079 | 3.93 | 0.13 | 27.405 | 0.405 | 1486. | 2.8 |
| 311 | 314.0 | 7.491 | 35.078 | 3.95 | 0.13 | 27.410 | 0.406 | 1486. | 2.9 |
| 313 | 316.0 | 7.455 | 35.076 | 3.97 | 0.13 | 27.414 | 0.408 | 1486. | 3.1 |
| 315 | 318.1 | 7.404 | 35.073 | 4.03 | 0.13 | 27.419 | 0.409 | 1486. | 3.3 |
| 317 | 319.9 | 7.370 | 35.072 | 4.04 | 0.13 | 27.423 | 0.410 | 1485. | 3.4 |
| 319 | 322.0 | 7.273 | 35.069 | 4.08 | 0.14 | 27.435 | 0.412 | 1485. | 3.5 |
| 321 | 324.0 | 7.182 | 35.066 | 4.09 | 0.14 | 27.446 | 0.413 | 1485. | 3.5 |
| 323 | 326.0 | 7.116 | 35.062 | 4.10 | 0.14 | 27.452 | 0.414 | 1485. | 3.4 |
| 325 | 328.0 | 7.061 | 35.058 | 4.16 | 0.14 | 27.456 | 0.416 | 1484. | 3.2 |
| 327 | 330.0 | 6.987 | 35.054 | 4.23 | 0.14 | 27.463 | 0.417 | 1484. | 2.9 |
| 329 | 332.0 | 6.957 | 35.053 | 4.24 | 0.14 | 27.467 | 0.418 | 1484. | 2.8 |
| 331 | 334.0 | 6.936 | 35.053 | 4.26 | 0.14 | 27.470 | 0.420 | 1484. | 2.8 |
| 333 | 336.1 | 6.901 | 35.052 | 4.28 | 0.14 | 27.474 | 0.421 | 1484. | 2.8 |
| 335 | 338.0 | 6.864 | 35.051 | 4.30 | 0.15 | 27.478 | 0.422 | 1484. | 2.8 |
| 337 | 340.0 | 6.806 | 35.049 | 4.35 | 0.15 | 27.485 | 0.424 | 1484. | 2.8 |
| 339 | 342.0 | 6.757 | 35.047 | 4.37 | 0.15 | 27.490 | 0.425 | 1483. | 2.8 |
| 341 | 344.0 | 6.701 | 35.044 | 4.42 | 0.15 | 27.495 | 0.426 | 1483. | 2.8 |
| 343 | 346.0 | 6.662 | 35.042 | 4.46 | 0.15 | 27.499 | 0.427 | 1483. | 2.8 |
| 345 | 348.0 | 6.625 | 35.041 | 4.42 | 0.15 | 27.503 | 0.429 | 1483. | 2.9 |
| 347 | 350.0 | 6.598 | 35.040 | 4.44 | 0.16 | 27.506 | 0.430 | 1483. | 2.9 |
| 349 | 352.0 | 6.549 | 35.039 | 4.45 | 0.16 | 27.511 | 0.431 | 1483. | 2.9 |
| 351 | 354.0 | 6.474 | 35.034 | 4.47 | 0.16 | 27.518 | 0.432 | 1482. | 2.8 |
| 353 | 356.0 | 6.406 | 35.032 | 4.54 | 0.16 | 27.525 | 0.434 | 1482. | 2.8 |
| 355 | 358.0 | 6.377 | 35.032 | 4.59 | 0.16 | 27.529 | 0.435 | 1482. | 2.7 |
| 357 | 359.9 | 6.355 | 35.031 | 4.56 | 0.17 | 27.531 | 0.436 | 1482. | 2.6 |
| 359 | 362.0 | 6.326 | 35.030 | 4.57 | 0.17 | 27.534 | 0.437 | 1482. | 2.5 |
| 361 | 364.0 | 6.288 | 35.029 | 4.64 | 0.17 | 27.538 | 0.438 | 1482. | 2.4 |
| 363 | 366.0 | 6.244 | 35.026 | 4.67 | 0.18 | 27.542 | 0.440 | 1482. | 2.4 |
| 365 | 368.0 | 6.207 | 35.025 | 4.66 | 0.18 | 27.546 | 0.441 | 1482. | 2.3 |
| 367 | 370.0 | 6.167 | 35.023 | 4.71 | 0.18 | 27.550 | 0.442 | 1482. | 2.1 |
| 369 | 372.0 | 6.150 | 35.022 | 4.75 | 0.18 | 27.551 | 0.443 | 1481. | 1.9 |
| 371 | 374.1 | 6.132 | 35.022 | 4.78 | 0.18 | 27.553 | 0.444 | 1481. | 1.6 |
| 373 | 376.0 | 6.123 | 35.022 | 4.80 | 0.19 | 27.554 | 0.445 | 1481. | 1.3 |
| 375 | 378.0 | 6.121 | 35.022 | 4.81 | 0.19 | 27.554 | 0.447 | 1481. | 1.0 |
| 377 | 380.0 | 6.121 | 35.022 | 4.82 | 0.19 | 27.555 | 0.448 | 1481. | 0.8 |
| 379 | 382.0 | 6.122 | 35.022 | 4.80 | 0.19 | 27.555 | 0.449 | 1482. | 0.6 |
| 381 | 383.9 | 6.121 | 35.022 | 4.77 | 0.19 | 27.554 | 0.450 | 1482. | 0.6 |
| 383 | 386.1 | 6.120 | 35.022 | 4.77 | 0.19 | 27.555 | 0.451 | 1482. | 0.8 |
| 385 | 388.0 | 6.119 | 35.022 | 4.82 | 0.20 | 27.555 | 0.452 | 1482. | 1.0 |
| 387 | 390.0 | 6.110 | 35.021 | 4.84 | 0.20 | 27.555 | 0.453 | 1482. | 1.2 |
| 389 | 392.1 | 6.098 | 35.020 | 4.81 | 0.20 | 27.556 | 0.455 | 1482. | 1.3 |
| 391 | 394.0 | 6.079 | 35.019 | 4.81 | 0.20 | 27.558 | 0.456 | 1482. | 1.4 |
| 393 | 396.0 | 6.055 | 35.018 | 4.83 | 0.21 | 27.560 | 0.457 | 1481. | 1.4 |
| 395 | 398.1 | 6.049 | 35.018 | 4.81 | 0.21 | 27.561 | 0.458 | 1481. | 1.5 |
| 396 | 399.9 | 6.045 | 35.018 | 4.83 | 0.21 | 27.561 | 0.459 | 1482. | 1.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 49 | 13 JUL 1982 | 1513 | 40°14.3'N | 67°57.6'W | 800 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 399 | 402.0 | 6.032 | 35.017 | 4.82 | 0.21 | 27.562 | 0.460 | 1481. | 2.0 |
| 400 | 404.0 | 6.021 | 35.016 | 4.84 | 0.21 | 27.563 | 0.461 | 1481. | 2.1 |
| 402 | 406.0 | 5.970 | 35.012 | 4.82 | 0.22 | 27.566 | 0.463 | 1481. | 2.2 |
| 404 | 408.0 | 5.895 | 35.009 | 4.82 | 0.22 | 27.574 | 0.464 | 1481. | 2.3 |
| 406 | 410.0 | 5.864 | 35.008 | 4.86 | 0.21 | 27.577 | 0.465 | 1481. | 2.2 |
| 408 | 412.0 | 5.852 | 35.009 | 4.89 | 0.21 | 27.579 | 0.466 | 1481. | 2.1 |
| 410 | 414.0 | 5.846 | 35.010 | 4.92 | 0.21 | 27.580 | 0.467 | 1481. | 1.8 |
| 412 | 416.0 | 5.842 | 35.010 | 4.85 | 0.21 | 27.581 | 0.468 | 1481. | 1.5 |
| 414 | 418.0 | 5.830 | 35.010 | 4.87 | 0.21 | 27.583 | 0.469 | 1481. | 1.4 |
| 416 | 420.0 | 5.825 | 35.010 | 4.86 | 0.21 | 27.583 | 0.470 | 1481. | 1.4 |
| 418 | 422.0 | 5.813 | 35.010 | 4.87 | 0.21 | 27.584 | 0.472 | 1481. | 1.4 |
| 420 | 424.0 | 5.794 | 35.008 | 4.89 | 0.21 | 27.586 | 0.473 | 1481. | 1.4 |
| 422 | 426.0 | 5.778 | 35.006 | 4.90 | 0.21 | 27.586 | 0.474 | 1481. | 1.4 |
| 424 | 428.0 | 5.760 | 35.007 | 4.95 | 0.21 | 27.589 | 0.475 | 1481. | 1.3 |
| 426 | 430.0 | 5.759 | 35.007 | 4.94 | 0.22 | 27.589 | 0.476 | 1481. | 1.2 |
| 428 | 432.1 | 5.757 | 35.008 | 4.93 | 0.22 | 27.590 | 0.477 | 1481. | 1.1 |
| 430 | 433.9 | 5.755 | 35.008 | 4.91 | 0.22 | 27.590 | 0.478 | 1481. | 1.0 |
| 432 | 436.0 | 5.755 | 35.008 | 4.93 | 0.22 | 27.590 | 0.479 | 1481. | 1.0 |
| 434 | 438.0 | 5.754 | 35.008 | 4.90 | 0.22 | 27.590 | 0.480 | 1481. | 1.1 |
| 436 | 440.0 | 5.747 | 35.008 | 4.90 | 0.22 | 27.591 | 0.481 | 1481. | 1.2 |
| 438 | 442.0 | 5.728 | 35.007 | 4.91 | 0.22 | 27.593 | 0.482 | 1481. | 1.2 |
| 440 | 444.0 | 5.718 | 35.007 | 4.93 | 0.22 | 27.594 | 0.484 | 1481. | 1.3 |
| 442 | 446.1 | 5.713 | 35.007 | 4.95 | 0.22 | 27.595 | 0.485 | 1481. | 1.3 |
| 444 | 447.9 | 5.709 | 35.007 | 4.96 | 0.23 | 27.595 | 0.486 | 1481. | 1.3 |
| 446 | 450.0 | 5.698 | 35.006 | 4.95 | 0.23 | 27.596 | 0.487 | 1481. | 1.3 |
| 448 | 452.0 | 5.680 | 35.005 | 4.98 | 0.23 | 27.597 | 0.488 | 1481. | 1.3 |
| 450 | 454.0 | 5.665 | 35.004 | 4.95 | 0.23 | 27.598 | 0.489 | 1481. | 1.4 |
| 452 | 455.9 | 5.640 | 35.002 | 4.96 | 0.23 | 27.600 | 0.490 | 1481. | 1.5 |
| 454 | 458.0 | 5.633 | 35.002 | 4.97 | 0.24 | 27.601 | 0.491 | 1481. | 1.5 |
| 456 | 460.1 | 5.624 | 35.001 | 5.01 | 0.24 | 27.601 | 0.492 | 1481. | 1.6 |
| 458 | 462.0 | 5.587 | 34.998 | 5.03 | 0.24 | 27.604 | 0.493 | 1481. | 1.6 |
| 460 | 464.0 | 5.574 | 34.998 | 5.00 | 0.24 | 27.605 | 0.494 | 1481. | 1.7 |
| 462 | 466.0 | 5.545 | 34.996 | 5.04 | 0.24 | 27.607 | 0.495 | 1481. | 1.7 |
| 464 | 468.0 | 5.524 | 34.995 | 5.03 | 0.24 | 27.609 | 0.497 | 1481. | 1.7 |
| 466 | 470.1 | 5.508 | 34.994 | 5.06 | 0.24 | 27.610 | 0.498 | 1480. | 1.6 |
| 468 | 471.9 | 5.494 | 34.993 | 5.05 | 0.25 | 27.611 | 0.499 | 1480. | 1.6 |
| 470 | 474.0 | 5.476 | 34.992 | 5.05 | 0.25 | 27.613 | 0.500 | 1480. | 1.7 |
| 472 | 476.0 | 5.457 | 34.991 | 5.09 | 0.25 | 27.613 | 0.501 | 1480. | 1.8 |
| 474 | 478.0 | 5.430 | 34.988 | 5.11 | 0.25 | 27.615 | 0.502 | 1480. | 1.9 |
| 476 | 480.0 | 5.412 | 34.987 | 5.12 | 0.26 | 27.616 | 0.503 | 1480. | 1.9 |
| 478 | 481.9 | 5.372 | 34.986 | 5.17 | 0.26 | 27.620 | 0.504 | 1480. | 1.9 |
| 480 | 484.0 | 5.348 | 34.987 | 5.16 | 0.25 | 27.624 | 0.505 | 1480. | 1.8 |
| 482 | 486.0 | 5.342 | 34.987 | 5.18 | 0.25 | 27.625 | 0.506 | 1480. | 1.7 |
| 484 | 488.0 | 5.333 | 34.987 | 5.15 | 0.25 | 27.626 | 0.507 | 1480. | 1.6 |
| 486 | 490.1 | 5.320 | 34.987 | 5.16 | 0.25 | 27.627 | 0.508 | 1480. | 1.5 |
| 488 | 491.9 | 5.311 | 34.985 | 5.18 | 0.25 | 27.627 | 0.509 | 1480. | 1.5 |
| 490 | 494.0 | 5.299 | 34.984 | 5.16 | 0.25 | 27.628 | 0.510 | 1480. | 1.6 |
| 492 | 496.0 | 5.255 | 34.982 | 5.22 | 0.26 | 27.631 | 0.511 | 1480. | 1.7 |
| 493 | 497.9 | 5.228 | 34.980 | 5.23 | 0.26 | 27.633 | 0.512 | 1480. | 1.7 |
| 496 | 500.0 | 5.207 | 34.979 | 5.24 | 0.26 | 27.634 | 0.513 | 1480. | 1.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 49 | 13 JUL 1982 | 1513 | 40°14.3'N | 67°57.6'W | 800 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 515 | 520.1 | 5.101 | 34.970 | 5.34 | 0.27 | 27.640 | 0.523 | 1480. | 1.1 |
| 535 | 540.0 | 4.930 | 34.965 | 5.43 | 0.29 | 27.656 | 0.533 | 1479. | 1.6 |
| 555 | 560.0 | 4.834 | 34.961 | 5.50 | 0.29 | 27.664 | 0.543 | 1479. | 0.9 |
| 575 | 579.9 | 4.797 | 34.959 | 5.50 | 0.30 | 27.666 | 0.553 | 1479. | 1.1 |
| 595 | 600.0 | 4.697 | 34.956 | 5.55 | 0.30 | 27.675 | 0.562 | 1479. | 1.1 |
| 614 | 620.0 | 4.642 | 34.955 | 5.59 | 0.31 | 27.681 | 0.572 | 1479. | 0.9 |
| 634 | 639.9 | 4.579 | 34.953 | 5.60 | 0.31 | 27.686 | 0.581 | 1479. | 1.3 |
| 654 | 660.1 | 4.542 | 34.953 | 5.64 | 0.30 | 27.690 | 0.590 | 1480. | 0.2 |
| 674 | 680.0 | 4.522 | 34.953 | 5.63 | 0.31 | 27.693 | 0.600 | 1480. | 0.9 |
| 693 | 700.0 | 4.501 | 34.953 | 5.62 | 0.31 | 27.695 | 0.609 | 1480. | 0.7 |
| 713 | 720.0 | 4.492 | 34.952 | 5.58 | 0.29 | 27.695 | 0.618 | 1480. | 0.7 |
| 732 | 739.0 | 4.408 | 34.952 | 5.67 | 0.28 | 27.704 | 0.627 | 1480. | 1.0 |

STA 50 DAY: 13 TIME: 1652

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 23.5 | 27.3 | 18.6 | 55.4 | 15.5 | 97.0 | 13.8 | 141.2 | 12.2 |
| 0.0 | 23.3 | 27.3 | 18.5 | 56.4 | 15.4 | 97.9 | 13.8 | 142.2 | 12.2 |
| 0.0 | 23.2 | 27.3 | 18.4 | 56.4 | 15.4 | 98.9 | 13.7 | 143.1 | 12.1 |
| 1.0 | 23.2 | 29.2 | 18.3 | 57.3 | 15.3 | 99.9 | 13.7 | 144.1 | 12.1 |
| 1.9 | 23.1 | 29.2 | 18.2 | 57.3 | 15.3 | 101.8 | 13.7 | 146.0 | 12.0 |
| 1.9 | 23.0 | 30.2 | 18.1 | 58.3 | 15.3 | 102.8 | 13.7 | 147.0 | 12.0 |
| 1.9 | 23.0 | 30.2 | 18.1 | 58.3 | 15.3 | 103.7 | 13.7 | 148.9 | 11.9 |
| 2.9 | 23.0 | 31.1 | 17.9 | 59.3 | 15.3 | 103.7 | 13.8 | 149.9 | 11.9 |
| 3.9 | 22.9 | 31.1 | 17.9 | 60.2 | 15.2 | 104.7 | 13.8 | 150.8 | 11.9 |
| 4.9 | 22.8 | 32.1 | 17.8 | 60.2 | 15.1 | 105.6 | 13.8 | 152.7 | 11.9 |
| 4.9 | 22.8 | 32.1 | 17.8 | 61.2 | 15.0 | 106.6 | 13.8 | 153.7 | 11.9 |
| 4.9 | 22.7 | 34.1 | 17.7 | 62.2 | 15.0 | 107.6 | 13.7 | 155.6 | 11.9 |
| 5.8 | 22.6 | 34.1 | 17.6 | 64.1 | 15.0 | 108.5 | 13.7 | 155.6 | 11.8 |
| 5.8 | 22.6 | 34.1 | 17.5 | 65.1 | 15.0 | 109.5 | 13.7 | 156.6 | 11.8 |
| 6.8 | 22.6 | 35.0 | 17.4 | 65.1 | 14.9 | 111.4 | 13.7 | 157.5 | 11.7 |
| 7.8 | 22.5 | 35.0 | 17.4 | 66.0 | 14.9 | 112.4 | 13.7 | 159.4 | 11.7 |
| 7.8 | 22.5 | 36.0 | 17.4 | 67.0 | 14.8 | 113.4 | 13.6 | 160.4 | 11.7 |
| 9.7 | 22.4 | 37.0 | 17.4 | 68.0 | 14.8 | 114.3 | 13.6 | 161.4 | 11.7 |
| 10.7 | 22.2 | 38.9 | 17.3 | 69.9 | 14.8 | 115.3 | 13.5 | 163.3 | 11.7 |
| 11.7 | 22.1 | 37.9 | 17.2 | 69.9 | 14.7 | 115.3 | 13.4 | 164.2 | 11.7 |
| 11.7 | 22.0 | 38.9 | 17.2 | 70.9 | 14.7 | 116.2 | 13.4 | 166.2 | 11.7 |
| 12.7 | 21.9 | 38.9 | 17.1 | 70.9 | 14.6 | 117.2 | 13.4 | 167.1 | 11.6 |
| 12.7 | 21.8 | 39.9 | 17.0 | 71.9 | 14.5 | 118.2 | 13.4 | 168.1 | 11.6 |
| 12.7 | 21.6 | 39.9 | 16.9 | 71.9 | 14.4 | 120.1 | 13.4 | 169.0 | 11.6 |
| 14.6 | 21.4 | 40.9 | 16.8 | 72.8 | 14.4 | 121.1 | 13.4 | 170.0 | 11.5 |
| 14.6 | 21.3 | 40.9 | 16.7 | 72.8 | 14.4 | 122.0 | 13.4 | 170.0 | 11.5 |
| 13.6 | 21.2 | 41.8 | 16.6 | 73.8 | 14.4 | 123.0 | 13.4 | 170.9 | 11.4 |
| 14.6 | 21.2 | 42.8 | 16.7 | 74.8 | 14.5 | 124.9 | 13.4 | 170.9 | 11.4 |
| 15.6 | 21.1 | 43.8 | 16.7 | 76.7 | 14.5 | 125.9 | 13.4 | 171.9 | 11.3 |
| 17.5 | 21.0 | 44.7 | 16.7 | 77.7 | 14.4 | 126.8 | 13.3 | 171.9 | 11.2 |
| 18.5 | 20.9 | 45.7 | 16.6 | 77.7 | 14.4 | 126.8 | 13.2 | 172.9 | 11.2 |
| 19.5 | 20.8 | 45.7 | 16.5 | 78.6 | 14.3 | 126.8 | 13.1 | 173.8 | 11.1 |
| 19.5 | 20.7 | 45.7 | 16.5 | 79.6 | 14.3 | 127.8 | 13.1 | 174.8 | 11.1 |
| 19.5 | 20.6 | 46.7 | 16.4 | 80.6 | 14.3 | 127.8 | 13.0 | 176.7 | 11.1 |
| 20.4 | 20.6 | 46.7 | 16.2 | 81.5 | 14.3 | 129.7 | 13.0 | 176.7 | 11.0 |
| 22.4 | 20.5 | 46.7 | 16.1 | 82.5 | 14.2 | 130.7 | 13.0 | 177.6 | 11.0 |
| 22.4 | 20.4 | 46.7 | 16.0 | 83.5 | 14.2 | 131.6 | 12.9 | 178.6 | 11.0 |
| 23.4 | 20.2 | 47.6 | 15.9 | 85.4 | 14.2 | 132.6 | 12.9 | 180.5 | 10.9 |
| 22.4 | 20.1 | 47.6 | 15.8 | 86.4 | 14.1 | 132.6 | 12.9 | 181.5 | 10.9 |
| 23.4 | 19.9 | 48.6 | 15.8 | 88.3 | 14.1 | 133.5 | 12.8 | 183.4 | 10.8 |
| 23.4 | 19.8 | 49.6 | 15.8 | 88.3 | 14.0 | 133.5 | 12.8 | 184.3 | 10.8 |
| 24.3 | 19.7 | 50.6 | 15.8 | 89.2 | 14.0 | 134.5 | 12.7 | 185.3 | 10.8 |
| 24.3 | 19.5 | 51.5 | 15.8 | 90.2 | 13.9 | 135.5 | 12.7 | 186.2 | 10.7 |
| 24.3 | 19.3 | 52.5 | 15.6 | 91.2 | 13.9 | 136.4 | 12.7 | 187.2 | 10.7 |
| 24.3 | 19.2 | 53.5 | 15.6 | 93.1 | 13.9 | 136.4 | 12.6 | 189.1 | 10.7 |
| 25.3 | 19.2 | 53.5 | 15.5 | 93.1 | 13.9 | 137.4 | 12.5 | 190.1 | 10.7 |
| 25.3 | 19.1 | 53.5 | 15.4 | 93.1 | 13.9 | 138.3 | 12.5 | 190.1 | 10.6 |
| 26.3 | 19.0 | 53.5 | 15.4 | 94.1 | 13.9 | 140.3 | 12.5 | 191.0 | 10.5 |
| 26.3 | 18.8 | 54.4 | 15.4 | 95.0 | 13.9 | 140.3 | 12.4 | 192.0 | 10.5 |
| 27.3 | 18.7 | 55.4 | 15.4 | 96.0 | 13.8 | 141.2 | 12.3 | 192.9 | 10.4 |

STA 50 DAY: 13 TIME: 1652

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 193.9 | 10.4 | 260.4 | 8.6 | 344.3 | 6.8 | 397.6 | 5.9 | 495.8 | 5.2 |
| 195.8 | 10.4 | 261.4 | 8.5 | 344.3 | 6.7 | 398.5 | 5.9 | 497.7 | 5.2 |
| 196.7 | 10.4 | 263.3 | 8.5 | 345.2 | 6.7 | 399.5 | 5.9 | 499.5 | 5.2 |
| 197.7 | 10.3 | 265.1 | 8.5 | 345.2 | 6.7 | 399.5 | 5.9 | 501.4 | 5.2 |
| 198.6 | 10.3 | 267.0 | 8.4 | 346.2 | 6.7 | 400.4 | 6.0 | 503.2 | 5.2 |
| 199.6 | 10.3 | 268.9 | 8.4 | 347.1 | 6.7 | 401.3 | 5.9 | 504.1 | 5.1 |
| 201.5 | 10.2 | 270.8 | 8.3 | 348.1 | 6.7 | 402.3 | 5.9 | 508.7 | 5.1 |
| 202.5 | 10.2 | 272.7 | 8.3 | 348.1 | 6.7 | 404.1 | 5.9 | 509.6 | 5.0 |
| 204.4 | 10.2 | 275.6 | 8.3 | 349.0 | 6.7 | 405.1 | 5.9 | 512.4 | 5.0 |
| 205.3 | 10.2 | 277.4 | 8.2 | 349.9 | 6.7 | 406.9 | 5.9 | 514.2 | 5.0 |
| 206.3 | 10.2 | 280.3 | 8.2 | 350.9 | 6.6 | 407.8 | 5.9 | 516.1 | 5.0 |
| 208.2 | 10.1 | 281.2 | 8.2 | 351.8 | 6.6 | 408.8 | 5.9 | 518.8 | 5.0 |
| 208.2 | 10.1 | 282.2 | 8.1 | 353.7 | 6.6 | 411.6 | 5.8 | 522.5 | 5.0 |
| 209.1 | 10.0 | 285.0 | 8.0 | 353.7 | 6.6 | 413.4 | 5.8 | 526.2 | 5.0 |
| 211.0 | 10.0 | 286.9 | 8.0 | 353.7 | 6.5 | 414.4 | 5.7 | 528.9 | 5.0 |
| 212.0 | 10.0 | 288.8 | 8.0 | 353.7 | 6.6 | 417.2 | 5.7 | 531.7 | 5.0 |
| 212.9 | 10.0 | 290.7 | 7.9 | 354.6 | 6.7 | 418.1 | 5.7 | 534.4 | 4.9 |
| 212.9 | 9.9 | 291.6 | 7.9 | 354.6 | 6.6 | 421.8 | 5.7 | 537.2 | 4.9 |
| 212.9 | 9.8 | 293.5 | 7.8 | 355.6 | 6.6 | 424.6 | 5.7 | 539.9 | 4.9 |
| 213.9 | 9.8 | 294.4 | 7.8 | 356.5 | 6.6 | 426.5 | 5.7 | 541.8 | 4.9 |
| 214.8 | 9.8 | 295.4 | 7.7 | 356.5 | 6.5 | 428.3 | 5.6 | 544.5 | 4.9 |
| 215.8 | 9.7 | 296.3 | 7.6 | 357.4 | 6.5 | 429.2 | 5.6 | 546.4 | 4.9 |
| 217.7 | 9.7 | 298.2 | 7.5 | 357.4 | 6.6 | 431.1 | 5.5 | 549.1 | 4.9 |
| 219.6 | 9.7 | 299.2 | 7.5 | 357.4 | 6.6 | 433.9 | 5.5 | 553.7 | 4.9 |
| 219.6 | 9.6 | 302.0 | 7.5 | 358.4 | 6.6 | 435.7 | 5.5 | 555.5 | 4.8 |
| 220.5 | 9.5 | 302.9 | 7.4 | 359.3 | 6.5 | 437.6 | 5.4 | 558.3 | 4.8 |
| 222.4 | 9.5 | 304.8 | 7.4 | 361.2 | 6.5 | 441.3 | 5.4 | 561.9 | 4.8 |
| 224.4 | 9.4 | 305.8 | 7.3 | 363.0 | 6.5 | 442.2 | 5.4 | 564.7 | 4.8 |
| 226.3 | 9.4 | 307.6 | 7.3 | 364.0 | 6.4 | 445.0 | 5.5 | 569.2 | 4.8 |
| 227.2 | 9.3 | 309.5 | 7.2 | 365.8 | 6.4 | 446.9 | 5.5 | 572.0 | 4.8 |
| 230.1 | 9.3 | 311.4 | 7.1 | 366.8 | 6.4 | 449.6 | 5.4 | 576.5 | 4.8 |
| 231.0 | 9.2 | 314.2 | 7.1 | 368.7 | 6.4 | 452.4 | 5.4 | 578.3 | 4.8 |
| 232.9 | 9.2 | 316.1 | 7.1 | 370.5 | 6.4 | 454.3 | 5.4 | 582.0 | 4.8 |
| 233.9 | 9.2 | 318.9 | 7.1 | 371.5 | 6.3 | 455.2 | 5.4 | 584.7 | 4.8 |
| 234.8 | 9.1 | 321.8 | 7.1 | 372.4 | 6.3 | 458.0 | 5.4 | 586.5 | 4.8 |
| 236.7 | 9.0 | 324.6 | 7.1 | 373.3 | 6.2 | 462.6 | 5.4 | 590.2 | 4.7 |
| 238.6 | 9.0 | 326.5 | 7.1 | 375.2 | 6.2 | 464.5 | 5.4 | 594.7 | 4.7 |
| 240.5 | 9.0 | 328.3 | 7.0 | 377.1 | 6.2 | 467.2 | 5.4 | 600.2 | 4.7 |
| 242.4 | 9.0 | 330.2 | 7.0 | 379.9 | 6.1 | 469.1 | 5.4 | 604.8 | 4.6 |
| 244.3 | 9.0 | 330.2 | 7.0 | 380.8 | 6.1 | 472.8 | 5.4 | 610.2 | 4.7 |
| 245.2 | 9.0 | 331.2 | 7.0 | 381.7 | 6.1 | 473.7 | 5.4 | 614.7 | 4.7 |
| 248.1 | 9.0 | 333.0 | 6.9 | 384.5 | 6.1 | 475.5 | 5.4 | 619.3 | 4.6 |
| 249.0 | 8.9 | 334.9 | 6.8 | 386.4 | 6.1 | 476.5 | 5.3 | 622.9 | 4.6 |
| 250.9 | 8.9 | 336.8 | 6.8 | 388.3 | 6.1 | 477.4 | 5.3 | 624.7 | 4.6 |
| 251.9 | 8.9 | 338.7 | 6.8 | 388.3 | 6.1 | 480.2 | 5.3 | 627.5 | 4.6 |
| 253.8 | 8.8 | 339.6 | 6.7 | 390.1 | 6.1 | 482.9 | 5.3 | 629.3 | 4.6 |
| 254.7 | 8.8 | 340.5 | 6.7 | 390.1 | 6.1 | 485.7 | 5.3 | 632.9 | 4.6 |
| 256.6 | 8.7 | 341.5 | 6.7 | 392.9 | 6.0 | 488.5 | 5.3 | 634.7 | 4.6 |
| 256.6 | 8.7 | 342.4 | 6.8 | 394.8 | 6.0 | 492.2 | 5.2 | 637.4 | 4.6 |
| 258.5 | 8.7 | 343.4 | 6.7 | 395.7 | 6.0 | 494.0 | 5.2 | 639.2 | 4.6 |

STA 50 DAY: 13 TIME: 1652

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|
| 640.1 | 4.6 | 853.6 | 4.2 |
| 642.8 | 4.6 | 858.0 | 4.2 |
| 644.7 | 4.6 | 862.4 | 4.2 |
| 647.4 | 4.6 | 865.9 | 4.2 |
| 649.2 | 4.6 | 869.4 | 4.2 |
| 655.5 | 4.6 | 872.9 | 4.2 |
| 661.8 | 4.6 | 876.4 | 4.2 |
| 664.5 | 4.6 | 878.2 | 4.2 |
| 668.1 | 4.6 | | |
| 671.8 | 4.6 | | |
| 676.3 | 4.5 | | |
| 679.9 | 4.5 | | |
| 682.6 | 4.5 | | |
| 687.1 | 4.5 | | |
| 690.7 | 4.5 | | |
| 695.2 | 4.5 | | |
| 697.9 | 4.4 | | |
| 700.6 | 4.4 | | |
| 704.1 | 4.4 | | |
| 708.6 | 4.4 | | |
| 712.2 | 4.4 | | |
| 716.7 | 4.4 | | |
| 721.2 | 4.4 | | |
| 729.2 | 4.4 | | |
| 734.6 | 4.5 | | |
| 738.2 | 4.4 | | |
| 742.7 | 4.4 | | |
| 745.3 | 4.4 | | |
| 749.8 | 4.4 | | |
| 753.4 | 4.4 | | |
| 756.9 | 4.4 | | |
| 760.5 | 4.4 | | |
| 763.2 | 4.4 | | |
| 767.6 | 4.4 | | |
| 770.3 | 4.4 | | |
| 773.9 | 4.4 | | |
| 778.3 | 4.4 | | |
| 783.7 | 4.4 | | |
| 788.1 | 4.4 | | |
| 796.1 | 4.3 | | |
| 803.2 | 4.3 | | |
| 812.9 | 4.3 | | |
| 820.0 | 4.3 | | |
| 826.2 | 4.3 | | |
| 830.6 | 4.3 | | |
| 834.2 | 4.3 | | |
| 839.5 | 4.3 | | |
| 843.0 | 4.3 | | |
| 847.4 | 4.2 | | |
| 850.0 | 4.2 | | |

STA 51 DAY: 13 TIME: 1753

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 23.4 | 28.2 | 19.2 | 45.7 | 16.6 | 69.0 | 15.0 | 107.6 | 13.0 |
| 1.9 | 23.4 | 29.2 | 19.1 | 46.7 | 16.5 | 69.9 | 15.0 | 108.5 | 13.0 |
| 2.9 | 23.2 | 29.2 | 19.1 | 46.7 | 16.6 | 70.9 | 15.0 | 109.5 | 13.0 |
| 3.9 | 23.1 | 30.2 | 18.8 | 47.6 | 16.6 | 70.9 | 14.9 | 111.4 | 13.0 |
| 4.9 | 22.9 | 30.2 | 18.7 | 48.6 | 16.6 | 71.9 | 14.9 | 113.4 | 12.9 |
| 5.8 | 22.9 | 31.1 | 18.6 | 48.6 | 16.7 | 72.8 | 14.8 | 114.3 | 12.9 |
| 5.8 | 22.8 | 31.1 | 18.5 | 49.6 | 16.8 | 72.8 | 14.7 | 115.3 | 12.9 |
| 6.8 | 22.7 | 32.1 | 18.4 | 50.6 | 16.8 | 72.8 | 14.6 | 116.2 | 12.9 |
| 6.8 | 22.6 | 32.1 | 18.3 | 50.6 | 16.8 | 73.8 | 14.5 | 117.2 | 13.0 |
| 7.8 | 22.5 | 32.1 | 18.2 | 51.5 | 16.8 | 73.8 | 14.5 | 118.2 | 13.0 |
| 9.7 | 22.4 | 32.1 | 18.2 | 51.5 | 16.7 | 74.8 | 14.4 | 118.2 | 13.1 |
| 10.7 | 22.3 | 32.1 | 18.1 | 52.5 | 16.6 | 74.8 | 14.3 | 119.1 | 13.1 |
| 10.7 | 22.3 | 32.1 | 18.0 | 52.5 | 16.5 | 75.7 | 14.3 | 120.1 | 13.1 |
| 10.7 | 22.2 | 33.1 | 17.9 | 53.5 | 16.3 | 75.7 | 14.3 | 122.0 | 13.1 |
| 11.7 | 22.2 | 33.1 | 17.9 | 53.5 | 16.2 | 76.7 | 14.3 | 123.9 | 13.1 |
| 11.7 | 22.1 | 33.1 | 17.8 | 53.5 | 16.1 | 77.7 | 14.4 | 124.9 | 13.1 |
| 12.7 | 22.0 | 34.1 | 17.8 | 54.4 | 16.0 | 77.7 | 14.4 | 125.9 | 13.1 |
| 12.7 | 22.0 | 34.1 | 17.8 | 55.4 | 15.9 | 79.6 | 14.5 | 127.8 | 13.1 |
| 13.6 | 21.9 | 34.1 | 17.9 | 55.4 | 15.8 | 80.6 | 14.5 | 128.7 | 13.1 |
| 13.6 | 21.7 | 34.1 | 18.0 | 55.4 | 15.8 | 82.5 | 14.5 | 129.7 | 13.0 |
| 14.6 | 21.7 | 35.0 | 18.1 | 56.4 | 15.8 | 83.5 | 14.5 | 130.7 | 13.0 |
| 14.6 | 21.5 | 35.0 | 18.1 | 56.4 | 15.7 | 84.4 | 14.5 | 130.7 | 13.0 |
| 15.6 | 21.5 | 35.0 | 18.2 | 57.3 | 15.6 | 85.4 | 14.5 | 130.7 | 12.9 |
| 15.6 | 21.4 | 35.0 | 18.2 | 57.3 | 15.6 | 86.4 | 14.4 | 132.6 | 12.9 |
| 16.6 | 21.3 | 36.0 | 18.2 | 57.3 | 15.5 | 86.4 | 14.4 | 133.5 | 12.9 |
| 16.6 | 21.3 | 36.0 | 18.2 | 58.3 | 15.5 | 87.3 | 14.3 | 134.5 | 12.8 |
| 17.5 | 21.2 | 36.0 | 18.1 | 58.3 | 15.4 | 87.3 | 14.3 | 135.5 | 12.8 |
| 17.5 | 21.1 | 36.0 | 18.0 | 58.3 | 15.4 | 88.3 | 14.2 | 137.4 | 12.8 |
| 17.5 | 21.0 | 37.0 | 18.0 | 58.3 | 15.4 | 90.2 | 14.1 | 139.3 | 12.8 |
| 18.5 | 20.9 | 37.0 | 18.0 | 59.3 | 15.5 | 90.2 | 14.1 | 140.3 | 12.7 |
| 18.5 | 20.8 | 37.9 | 17.9 | 59.3 | 15.5 | 91.2 | 14.0 | 141.2 | 12.7 |
| 19.5 | 20.8 | 37.9 | 17.9 | 60.2 | 15.6 | 91.2 | 13.9 | 141.2 | 12.7 |
| 19.5 | 20.7 | 37.9 | 17.8 | 60.2 | 15.7 | 92.1 | 13.9 | 142.2 | 12.6 |
| 20.4 | 20.7 | 38.9 | 17.7 | 61.2 | 15.7 | 93.1 | 13.8 | 143.1 | 12.5 |
| 20.4 | 20.6 | 38.9 | 17.7 | 62.2 | 15.7 | 94.1 | 13.8 | 146.0 | 12.5 |
| 21.4 | 20.5 | 39.9 | 17.6 | 63.1 | 15.7 | 95.0 | 13.8 | 147.0 | 12.5 |
| 22.4 | 20.4 | 39.9 | 17.5 | 63.1 | 15.6 | 96.0 | 13.8 | 147.9 | 12.5 |
| 22.4 | 20.3 | 39.9 | 17.5 | 64.1 | 15.5 | 97.9 | 13.7 | 148.9 | 12.4 |
| 22.4 | 20.3 | 39.9 | 17.4 | 64.1 | 15.4 | 97.9 | 13.6 | 149.9 | 12.4 |
| 23.4 | 20.2 | 40.9 | 17.3 | 64.1 | 15.4 | 97.9 | 13.5 | 152.7 | 12.3 |
| 23.4 | 20.1 | 41.8 | 17.3 | 65.1 | 15.3 | 98.9 | 13.5 | 152.7 | 12.3 |
| 24.3 | 20.1 | 41.8 | 17.3 | 65.1 | 15.2 | 98.9 | 13.4 | 154.7 | 12.2 |
| 24.3 | 20.0 | 42.8 | 17.2 | 65.1 | 15.1 | 99.9 | 13.4 | 156.6 | 12.2 |
| 25.3 | 19.9 | 42.8 | 17.1 | 65.1 | 15.0 | 100.8 | 13.4 | 158.5 | 12.2 |
| 26.3 | 19.8 | 42.8 | 17.0 | 66.0 | 15.0 | 101.8 | 13.3 | 159.4 | 12.2 |
| 26.3 | 19.7 | 43.8 | 16.9 | 66.0 | 14.9 | 102.8 | 13.2 | 160.4 | 12.1 |
| 27.3 | 19.6 | 43.8 | 16.8 | 66.0 | 14.9 | 103.7 | 13.2 | 162.3 | 12.1 |
| 27.3 | 19.5 | 44.7 | 16.8 | 67.0 | 14.9 | 104.7 | 13.1 | 164.2 | 12.1 |
| 28.2 | 19.4 | 44.7 | 16.7 | 68.0 | 14.9 | 105.6 | 13.1 | 165.2 | 12.0 |
| 28.2 | 19.3 | 44.7 | 16.6 | 69.0 | 15.0 | 106.6 | 13.1 | 166.2 | 12.0 |

STA 51 DAY: 13 TIME: 1753

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | EYTH (m) | TEMP (°C) |
|---|---|---|---|---|---|
| 166.2 | 11.9 | 224.4 | 9.8 | 298.2 | 7.9 |
| 168.1 | 11.9 | 226.3 | 9.8 | 299.2 | 7.8 |
| 170.0 | 11.9 | 226.3 | 9.7 | 299.2 | 7.8 |
| 170.9 | 11.8 | 227.2 | 9.7 | 300.1 | 7.6 |
| 171.9 | 11.8 | 228.2 | 9.6 | 300.1 | 7.6 |
| 172.9 | 11.7 | 228.2 | 9.5 | 301.0 | 7.5 |
| 174.8 | 11.7 | 229.1 | 9.4 | 302.0 | 7.4 |
| 176.7 | 11.7 | 231.0 | 9.4 | 302.0 | 7.3 |
| 178.6 | 11.7 | 232.9 | 9.3 | 302.9 | 7.3 |
| 178.6 | 11.7 | 234.8 | 9.3 | 303.9 | 7.2 |
| 179.5 | 11.6 | 235.8 | 9.3 | 304.8 | 7.1 |
| 180.5 | 11.6 | 236.7 | 9.3 | 304.8 | 7.0 |
| 182.4 | 11.6 | 238.6 | 9.3 | 305.8 | 7.0 |
| 184.3 | 11.5 | 240.5 | 9.3 | 307.6 | 6.9 |
| 186.2 | 11.5 | 241.5 | 9.2 | 308.6 | 6.9 |
| 187.2 | 11.5 | 242.4 | 9.2 | 310.5 | 6.9 |
| 188.1 | 11.4 | 244.3 | 9.2 | 310.5 | 6.9 |
| 188.1 | 11.3 | 246.2 | 9.1 | 312.4 | 6.8 |
| 189.1 | 11.2 | 247.1 | 9.1 | 314.2 | 6.8 |
| 189.1 | 11.2 | 248.1 | 9.1 | 317.1 | 6.8 |
| 190.1 | 11.1 | 250.0 | 9.0 | 318.0 | 6.8 |
| 191.0 | 11.1 | 250.9 | 9.0 | 319.9 | 6.8 |
| 192.0 | 11.0 | 252.8 | 9.0 | 320.8 | 6.8 |
| 192.9 | 11.0 | 255.7 | 8.9 | 321.8 | 6.7 |
| 193.9 | 10.8 | 256.6 | 8.9 | 322.7 | 6.6 |
| 194.8 | 10.8 | 257.6 | 8.9 | 324.6 | 6.6 |
| 196.7 | 10.8 | 261.4 | 8.8 | 326.5 | 6.6 |
| 197.7 | 10.7 | 264.2 | 8.8 | 328.3 | 6.6 |
| 199.6 | 10.7 | 266.1 | 8.8 | 330.2 | 6.5 |
| 200.5 | 10.7 | 268.9 | 8.8 | 330.2 | 6.5 |
| 203.4 | 10.7 | 270.8 | 8.8 | 330.2 | 6.4 |
| 204.4 | 10.6 | 273.7 | 8.8 | | |
| 205.3 | 10.6 | 275.6 | 8.8 | | |
| 205.3 | 10.5 | 278.4 | 8.8 | | |
| 206.3 | 10.5 | 279.3 | 8.7 | | |
| 207.2 | 10.4 | 280.3 | 8.7 | | |
| 208.2 | 10.4 | 280.3 | 8.6 | | |
| 209.1 | 10.4 | 282.2 | 8.5 | | |
| 211.0 | 10.3 | 283.1 | 8.5 | | |
| 212.0 | 10.3 | 284.1 | 8.4 | | |
| 212.9 | 10.3 | 285.9 | 8.3 | | |
| 212.9 | 10.2 | 286.9 | 8.2 | | |
| 214.8 | 10.2 | 287.8 | 8.2 | | |
| 215.8 | 10.2 | 288.8 | 8.1 | | |
| 216.7 | 10.1 | 290.7 | 8.1 | | |
| 217.7 | 10.1 | 291.6 | 8.0 | | |
| 218.6 | 10.1 | 293.5 | 8.0 | | |
| 219.6 | 10.0 | 294.4 | 8.0 | | |
| 222.4 | 10.0 | 296.3 | 8.0 | | |
| 223.4 | 9.9 | 296.3 | 7.9 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 52 | 13 JUL 1982 | 1736 | 40°19.0'N | 67°59.5'W | 192 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.3 | 23.598 | 35.183 | 4.79 | 0.20 | 23.900 | 0.000 | 1531. | 12.4 |
| 4 | 3.8 | 23.564 | 35.190 | 4.79 | 0.20 | 23.915 | 0.006 | 1531. | 12.4 |
| 6 | 6.1 | 23.310 | 35.245 | 4.88 | 0.23 | 24.032 | 0.015 | 1531. | 12.4 |
| 8 | 7.9 | 23.119 | 35.295 | 4.89 | 0.25 | 24.124 | 0.022 | 1530. | 12.4 |
| 10 | 10.1 | 22.434 | 35.367 | 4.98 | 0.24 | 24.376 | 0.030 | 1529. | 12.4 |
| 12 | 11.9 | 22.331 | 35.391 | 5.00 | 0.23 | 24.423 | 0.036 | 1528. | 12.9 |
| 14 | 14.1 | 22.321 | 35.395 | 4.99 | 0.23 | 24.429 | 0.044 | 1528. | 12.9 |
| 16 | 15.9 | 22.316 | 35.416 | 5.01 | 0.23 | 24.446 | 0.050 | 1528. | 12.5 |
| 18 | 18.0 | 22.025 | 35.597 | 5.00 | 0.22 | 24.666 | 0.057 | 1528. | 12.4 |
| 20 | 20.1 | 21.704 | 35.715 | 5.05 | 0.21 | 24.846 | 0.064 | 1527. | 13.6 |
| 22 | 21.9 | 21.570 | 35.741 | 5.04 | 0.21 | 24.903 | 0.070 | 1527. | 14.2 |
| 24 | 24.1 | 21.396 | 35.732 | 5.03 | 0.22 | 24.944 | 0.076 | 1526. | 14.2 |
| 26 | 25.8 | 20.776 | 35.699 | 5.13 | 0.24 | 25.088 | 0.081 | 1525. | 13.5 |
| 28 | 28.1 | 19.777 | 35.712 | 5.24 | 0.28 | 25.365 | 0.088 | 1522. | 13.1 |
| 30 | 29.9 | 19.519 | 35.692 | 5.30 | 0.31 | 25.417 | 0.092 | 1521. | 13.0 |
| 32 | 32.0 | 19.262 | 35.688 | 5.26 | 0.32 | 25.481 | 0.098 | 1521. | 13.1 |
| 34 | 34.0 | 19.111 | 35.720 | 5.23 | 0.32 | 25.545 | 0.102 | 1520. | 12.6 |
| 36 | 35.9 | 19.092 | 35.823 | 5.18 | 0.32 | 25.628 | 0.107 | 1520. | 12.1 |
| 38 | 38.1 | 18.807 | 35.869 | 5.15 | 0.33 | 25.736 | 0.112 | 1520. | 12.4 |
| 40 | 39.9 | 18.134 | 35.882 | 5.14 | 0.41 | 25.916 | 0.116 | 1518. | 12.5 |
| 42 | 42.1 | 17.975 | 35.933 | 4.90 | 0.36 | 25.995 | 0.121 | 1517. | 12.2 |
| 44 | 44.0 | 17.771 | 35.948 | 4.70 | 0.29 | 26.056 | 0.124 | 1517. | 11.4 |
| 46 | 46.0 | 17.232 | 35.895 | 4.51 | 0.23 | 26.147 | 0.128 | 1515. | 10.6 |
| 48 | 48.0 | 16.947 | 35.915 | 4.31 | 0.18 | 26.231 | 0.132 | 1515. | 9.6 |
| 50 | 50.1 | 16.983 | 35.970 | 4.12 | 0.14 | 26.264 | 0.136 | 1515. | 9.1 |
| 51 | 51.9 | 16.884 | 35.950 | 3.99 | 0.13 | 26.272 | 0.139 | 1514. | 8.5 |
| 54 | 54.0 | 16.937 | 36.073 | 3.87 | 0.12 | 26.354 | 0.142 | 1515. | 7.8 |
| 56 | 56.0 | 16.767 | 36.059 | 3.84 | 0.11 | 26.384 | 0.146 | 1514. | 7.8 |
| 58 | 58.0 | 16.323 | 35.969 | 3.87 | 0.11 | 26.420 | 0.149 | 1513. | 8.0 |
| 60 | 60.1 | 15.967 | 35.881 | 3.94 | 0.11 | 26.434 | 0.152 | 1512. | 8.0 |
| 61 | 62.0 | 15.544 | 35.797 | 4.12 | 0.11 | 26.466 | 0.155 | 1510. | 7.5 |
| 63 | 64.0 | 14.929 | 35.725 | 4.27 | 0.11 | 26.548 | 0.158 | 1508. | 7.2 |
| 66 | 66.0 | 14.508 | 35.657 | 4.33 | 0.11 | 26.587 | 0.161 | 1507. | 6.7 |
| 67 | 68.0 | 14.388 | 35.646 | 4.44 | 0.11 | 26.604 | 0.164 | 1507. | 6.1 |
| 69 | 70.0 | 14.356 | 35.644 | 4.48 | 0.11 | 26.610 | 0.167 | 1507. | 5.1 |
| 71 | 72.0 | 14.271 | 35.624 | 4.56 | 0.11 | 26.613 | 0.170 | 1506. | 3.9 |
| 73 | 74.0 | 14.166 | 35.609 | 4.57 | 0.11 | 26.623 | 0.173 | 1506. | 3.4 |
| 75 | 75.9 | 14.140 | 35.605 | 4.62 | 0.10 | 26.625 | 0.176 | 1506. | 3.4 |
| 77 | 78.0 | 14.099 | 35.602 | 4.64 | 0.10 | 26.632 | 0.179 | 1506. | 3.4 |
| 79 | 80.1 | 14.051 | 35.600 | 4.60 | 0.10 | 26.641 | 0.182 | 1506. | 3.4 |
| 81 | 81.9 | 13.985 | 35.598 | 4.66 | 0.10 | 26.654 | 0.184 | 1505. | 3.2 |
| 83 | 84.1 | 13.945 | 35.595 | 4.61 | 0.10 | 26.660 | 0.187 | 1505. | 3.0 |
| 85 | 85.9 | 13.909 | 35.593 | 4.59 | 0.10 | 26.665 | 0.190 | 1505. | 2.7 |
| 87 | 88.0 | 13.900 | 35.593 | 4.56 | 0.10 | 26.667 | 0.193 | 1505. | 2.4 |
| 89 | 90.1 | 13.891 | 35.592 | 4.57 | 0.10 | 26.668 | 0.195 | 1505. | 2.2 |
| 91 | 92.0 | 13.891 | 35.591 | 4.62 | 0.10 | 26.668 | 0.198 | 1505. | 2.2 |
| 93 | 93.9 | 13.853 | 35.586 | 4.59 | 0.10 | 26.672 | 0.201 | 1505. | 2.3 |
| 95 | 96.0 | 13.827 | 35.586 | 4.53 | 0.10 | 26.677 | 0.204 | 1505. | 2.6 |
| 97 | 98.1 | 13.801 | 35.586 | 4.55 | 0.10 | 26.683 | 0.207 | 1505. | 2.8 |
| 99 | 100.1 | 13.788 | 35.586 | 4.59 | 0.09 | 26.685 | 0.209 | 1505. | 3.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 52 | 13 JUL 1982 | 1736 | 40°19.0'N | 67°59.5'W | 192 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 101.9 | 13.752 | 35.584 | 4.59 | 0.09 | 26.692 | 0.212 | 1505. | 3.6 |
| 103 | 104.0 | 13.740 | 35.591 | 4.52 | 0.09 | 26.699 | 0.215 | 1505. | 3.7 |
| 105 | 106.0 | 13.725 | 35.594 | 4.53 | 0.09 | 26.705 | 0.217 | 1505. | 3.7 |
| 107 | 108.2 | 13.652 | 35.610 | 4.55 | 0.09 | 26.732 | 0.220 | 1505. | 3.7 |
| 109 | 109.9 | 13.647 | 35.612 | 4.56 | 0.09 | 26.735 | 0.223 | 1505. | 3.8 |
| 111 | 112.0 | 13.640 | 35.613 | 4.47 | 0.09 | 26.737 | 0.225 | 1505. | 3.8 |
| 113 | 114.0 | 13.626 | 35.613 | 4.47 | 0.09 | 26.740 | 0.228 | 1505. | 3.8 |
| 115 | 116.0 | 13.582 | 35.614 | 4.50 | 0.09 | 26.750 | 0.231 | 1505. | 3.8 |
| 117 | 118.0 | 13.504 | 35.622 | 4.50 | 0.09 | 26.772 | 0.233 | 1505. | 4.2 |
| 119 | 120.1 | 13.491 | 35.623 | 4.42 | 0.09 | 26.776 | 0.236 | 1505. | 4.4 |
| 121 | 121.9 | 13.472 | 35.625 | 4.44 | 0.09 | 26.782 | 0.238 | 1504. | 4.5 |
| 123 | 124.1 | 13.368 | 35.625 | 4.40 | 0.09 | 26.803 | 0.241 | 1504. | 4.4 |
| 125 | 126.0 | 13.256 | 35.620 | 4.38 | 0.09 | 26.822 | 0.244 | 1504. | 4.2 |
| 127 | 128.1 | 13.189 | 35.617 | 4.33 | 0.09 | 26.833 | 0.246 | 1504. | 4.1 |
| 129 | 129.9 | 13.165 | 35.616 | 4.31 | 0.09 | 26.837 | 0.248 | 1504. | 4.1 |
| 131 | 132.1 | 13.116 | 35.610 | 4.22 | 0.09 | 26.843 | 0.251 | 1503. | 3.8 |
| 133 | 133.9 | 13.076 | 35.606 | 4.24 | 0.09 | 26.848 | 0.253 | 1503. | 3.6 |
| 135 | 136.0 | 12.922 | 35.585 | 4.20 | 0.09 | 26.863 | 0.256 | 1503. | 3.5 |
| 137 | 138.0 | 12.809 | 35.573 | 4.20 | 0.09 | 26.876 | 0.258 | 1503. | 3.5 |
| 139 | 140.0 | 12.796 | 35.573 | 4.21 | 0.09 | 26.879 | 0.261 | 1502. | 3.4 |
| 141 | 142.0 | 12.767 | 35.570 | 4.15 | 0.09 | 26.882 | 0.263 | 1502. | 3.2 |
| 143 | 144.0 | 12.665 | 35.553 | 4.16 | 0.09 | 26.889 | 0.266 | 1502. | 2.8 |
| 145 | 145.9 | 12.617 | 35.547 | 4.20 | 0.10 | 26.894 | 0.268 | 1502. | 2.5 |
| 147 | 148.0 | 12.552 | 35.538 | 4.16 | 0.10 | 26.900 | 0.270 | 1502. | 2.3 |
| 149 | 150.1 | 12.532 | 35.533 | 4.16 | 0.10 | 26.900 | 0.273 | 1502. | 2.1 |
| 151 | 151.9 | 12.522 | 35.533 | 4.17 | 0.10 | 26.902 | 0.275 | 1502. | 1.8 |
| 153 | 154.0 | 12.509 | 35.531 | 4.13 | 0.10 | 26.903 | 0.277 | 1502. | 1.6 |
| 155 | 156.1 | 12.493 | 35.529 | 4.15 | 0.11 | 26.905 | 0.280 | 1502. | 1.4 |
| 157 | 158.0 | 12.489 | 35.529 | 4.20 | 0.11 | 26.905 | 0.282 | 1502. | 1.5 |
| 159 | 159.9 | 12.481 | 35.528 | 4.16 | 0.11 | 26.907 | 0.284 | 1502. | 1.5 |
| 161 | 162.0 | 12.471 | 35.527 | 4.12 | 0.11 | 26.908 | 0.287 | 1502. | 1.5 |
| 163 | 163.9 | 12.463 | 35.526 | 4.13 | 0.11 | 26.909 | 0.289 | 1502. | 1.9 |
| 165 | 166.1 | 12.441 | 35.524 | 4.14 | 0.11 | 26.911 | 0.292 | 1502. | 2.2 |
| 167 | 167.9 | 12.444 | 35.526 | 4.13 | 0.11 | 26.912 | 0.294 | 1502. | 2.5 |
| 169 | 170.0 | 12.435 | 35.527 | 4.09 | 0.11 | 26.915 | 0.296 | 1502. | 2.9 |
| 171 | 172.1 | 12.358 | 35.523 | 4.07 | 0.11 | 26.926 | 0.299 | 1501. | 3.3 |
| 173 | 174.1 | 12.312 | 35.518 | 4.07 | 0.11 | 26.932 | 0.301 | 1501. | 3.5 |
| 175 | 175.9 | 12.258 | 35.514 | 4.04 | 0.11 | 26.939 | 0.303 | 1501. | 3.8 |
| 177 | 178.0 | 12.176 | 35.505 | 4.01 | 0.11 | 26.948 | 0.305 | 1501. | 3.9 |
| 179 | 180.1 | 12.061 | 35.494 | 4.00 | 0.11 | 26.961 | 0.308 | 1501. | 3.9 |
| 180 | 181.3 | 12.010 | 35.488 | 4.00 | 0.11 | 26.967 | 0.309 | 1500. | 4.0 |
| 181 | 182.0 | 11.979 | 35.486 | 3.99 | 0.11 | 26.972 | 0.310 | 1500. | 3.9 |
| 182 | 183.0 | 11.943 | 35.483 | 3.96 | 0.11 | 26.976 | 0.311 | 1500. | 3.8 |
| 182 | 184.0 | 11.924 | 35.482 | 3.93 | 0.11 | 26.979 | 0.312 | 1500. | 3.8 |
| 183 | 185.0 | 11.901 | 35.480 | 3.90 | 0.11 | 26.982 | 0.313 | 1500. | 4.3 |
| 185 | 186.0 | 11.873 | 35.477 | 3.88 | 0.11 | 26.984 | 0.314 | 1500. | 4.7 |
| 185 | 187.0 | 11.796 | 35.465 | 3.88 | 0.11 | 26.990 | 0.315 | 1500. | 5.0 |
| 186 | 188.0 | 11.691 | 35.456 | 3.90 | 0.11 | 27.003 | 0.317 | 1499. | 5.3 |
| 187 | 189.0 | 11.579 | 35.446 | 3.89 | 0.11 | 27.016 | 0.318 | 1499. | 5.3 |
| 188 | 190.0 | 11.506 | 35.444 | 3.85 | 0.11 | 27.028 | 0.319 | 1499. | 5.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 52 | 13 JUL 1982 | 1736 | 40°19.0'N | 67°59.5'W | 192 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 190 | 191.1 | 11.450 | 35.437 | 3.81 | 0.11 | 27.034 | 0.320 | 1499. | 5.3 |
| 190 | 191.7 | 11.421 | 35.436 | 3.73 | 0.10 | 27.038 | 0.321 | 1499. | 5.3 |

STA 53 DAY: 13 TIME: 1925

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|
| 1.0 | 23.5 | 33.1 | 20.2 | 41.8 | 14.1 | 91.2 | 13.0 |
| 1.9 | 23.4 | 33.1 | 20.1 | 41.8 | 14.0 | 93.1 | 13.0 |
| 3.9 | 23.4 | 33.1 | 20.0 | 42.8 | 14.0 | 95.0 | 13.0 |
| 4.9 | 23.4 | 33.1 | 19.9 | 42.8 | 13.9 | 97.0 | 12.9 |
| 6.8 | 23.4 | 33.1 | 19.8 | 44.7 | 13.9 | 97.9 | 12.9 |
| 7.8 | 23.4 | 33.1 | 19.6 | 45.7 | 13.9 | 98.9 | 12.8 |
| 9.7 | 23.3 | 33.1 | 19.5 | 45.7 | 13.9 | 100.8 | 12.8 |
| 10.7 | 23.3 | 34.1 | 19.4 | 45.7 | 13.8 | 103.7 | 12.8 |
| 11.7 | 23.2 | 34.1 | 19.3 | 46.7 | 13.8 | 104.7 | 12.8 |
| 13.6 | 23.2 | 34.1 | 19.2 | 47.6 | 13.8 | 106.6 | 12.7 |
| 14.6 | 23.2 | 34.1 | 19.1 | 47.6 | 13.7 | 107.6 | 12.7 |
| 14.6 | 23.2 | 34.1 | 19.1 | 48.6 | 13.7 | 108.5 | 12.7 |
| 14.6 | 23.1 | 35.0 | 19.0 | 48.6 | 13.6 | 110.5 | 12.6 |
| 15.6 | 23.1 | 35.0 | 18.8 | 48.6 | 13.6 | 111.4 | 12.6 |
| 16.6 | 23.0 | 35.0 | 18.8 | 48.6 | 13.5 | 113.4 | 12.6 |
| 16.6 | 23.0 | 35.0 | 18.6 | 49.6 | 13.5 | 115.3 | 12.6 |
| 18.5 | 22.9 | 35.0 | 18.5 | 49.6 | 13.5 | 117.2 | 12.5 |
| 19.5 | 22.9 | 36.0 | 18.4 | 50.6 | 13.5 | 118.2 | 12.5 |
| 20.4 | 22.9 | 35.0 | 18.3 | 51.5 | 13.5 | 120.1 | 12.5 |
| 20.4 | 22.8 | 36.0 | 18.1 | 52.5 | 13.5 | 120.1 | 12.5 |
| 21.4 | 22.8 | 36.0 | 18.1 | 52.5 | 13.5 | 123.0 | 12.4 |
| 21.4 | 22.7 | 36.0 | 17.9 | 55.4 | 13.5 | 123.0 | 12.4 |
| 22.4 | 22.6 | 37.0 | 17.8 | 56.4 | 13.5 | 123.9 | 12.3 |
| 23.4 | 22.6 | 37.0 | 17.7 | 58.3 | 13.5 | 124.9 | 12.3 |
| 23.4 | 22.5 | 37.0 | 17.6 | 59.3 | 13.5 | 124.9 | 12.2 |
| 24.3 | 22.5 | 37.0 | 17.5 | 60.2 | 13.5 | 125.9 | 12.2 |
| 24.3 | 22.4 | 37.0 | 17.3 | 62.2 | 13.5 | 125.9 | 12.1 |
| 25.3 | 22.3 | 37.0 | 17.1 | 64.1 | 13.5 | 126.8 | 12.1 |
| 26.3 | 22.2 | 37.9 | 17.0 | 65.1 | 13.5 | 126.7 | 12.1 |
| 26.3 | 22.1 | 37.9 | 16.9 | 66.0 | 13.5 | 131.6 | 12.1 |
| 26.3 | 22.1 | 38.9 | 16.8 | 68.0 | 13.5 | 133.5 | 12.1 |
| 27.3 | 22.0 | 38.9 | 16.8 | 69.0 | 13.5 | 135.5 | 12.1 |
| 27.3 | 21.9 | 38.9 | 16.6 | 69.0 | 13.5 | 137.4 | 12.1 |
| 28.2 | 21.9 | 38.9 | 16.5 | 69.9 | 13.4 | 139.3 | 12.1 |
| 28.2 | 21.8 | 38.9 | 16.4 | 69.9 | 13.3 | 141.2 | 12.1 |
| 29.2 | 21.7 | 39.9 | 16.2 | 69.9 | 13.3 | 142.2 | 12.1 |
| 29.2 | 21.7 | 39.9 | 16.1 | 71.9 | 13.3 | 145.1 | 12.1 |
| 29.2 | 21.6 | 39.9 | 16.0 | 73.8 | 13.3 | | |
| 30.2 | 21.5 | 39.9 | 15.9 | 74.8 | 13.3 | | |
| 30.2 | 21.4 | 39.9 | 15.7 | 75.7 | 13.3 | | |
| 31.1 | 21.3 | 40.9 | 15.6 | 76.7 | 13.2 | | |
| 31.1 | 21.2 | 40.9 | 15.4 | 77.7 | 13.2 | | |
| 31.1 | 21.2 | 39.9 | 15.1 | 78.6 | 13.2 | | |
| 32.1 | 21.1 | 40.9 | 15.0 | 79.6 | 13.1 | | |
| 31.1 | 21.0 | 40.9 | 14.9 | 81.5 | 13.1 | | |
| 32.1 | 20.8 | 40.9 | 14.7 | 82.5 | 13.1 | | |
| 32.1 | 20.8 | 40.9 | 14.6 | 83.5 | 13.0 | | |
| 32.1 | 20.7 | 40.9 | 14.5 | 85.4 | 13.0 | | |
| 32.1 | 20.6 | 41.8 | 14.4 | 87.3 | 13.0 | | |
| 33.1 | 20.4 | 41.8 | 14.2 | 88.3 | 13 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 54 | 13 JUL 1982 | 1851 | 40°24.2'N | 68°00.3'W | 143 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.1 | 22.119 | 34.779 | 5.01 | 0.25 | 24.018 | 0.000 | 1527. | 7.1 |
| 4 | 4.1 | 22.350 | 34.937 | 5.00 | 0.23 | 24.073 | 0.008 | 1528. | 7.1 |
| 6 | 6.0 | 22.449 | 34.995 | 5.01 | 0.22 | 24.089 | 0.015 | 1528. | 7.1 |
| 8 | 8.0 | 22.502 | 35.072 | 5.01 | 0.21 | 24.132 | 0.022 | 1528. | 7.1 |
| 10 | 9.9 | 22.495 | 35.089 | 4.91 | 0.21 | 24.147 | 0.030 | 1528. | 7.1 |
| 12 | 12.1 | 22.443 | 35.091 | 4.90 | 0.21 | 24.163 | 0.038 | 1528. | 7.2 |
| 14 | 13.9 | 22.467 | 35.156 | 4.91 | 0.21 | 24.206 | 0.045 | 1528. | 7.7 |
| 16 | 16.1 | 22.485 | 35.216 | 4.90 | 0.21 | 24.246 | 0.053 | 1529. | 8.8 |
| 18 | 18.0 | 22.414 | 35.253 | 4.87 | 0.21 | 24.295 | 0.060 | 1529. | 10.0 |
| 20 | 19.9 | 22.210 | 35.233 | 4.96 | 0.21 | 24.338 | 0.067 | 1528. | 10.9 |
| 22 | 22.1 | 21.618 | 35.102 | 5.06 | 0.23 | 24.403 | 0.074 | 1526. | 11.5 |
| 24 | 23.9 | 20.910 | 35.054 | 5.15 | 0.26 | 24.561 | 0.080 | 1524. | 12.4 |
| 26 | 26.1 | 20.805 | 35.166 | 5.21 | 0.27 | 24.674 | 0.088 | 1524. | 12.9 |
| 28 | 28.0 | 20.756 | 35.256 | 5.29 | 0.27 | 24.757 | 0.094 | 1524. | 13.3 |
| 30 | 30.0 | 20.677 | 35.331 | 5.28 | 0.28 | 24.835 | 0.100 | 1524. | 14.0 |
| 32 | 32.0 | 20.375 | 35.461 | 5.31 | 0.27 | 25.015 | 0.106 | 1524. | 14.7 |
| 34 | 34.1 | 19.813 | 35.386 | 5.39 | 0.29 | 25.106 | 0.113 | 1522. | 15.4 |
| 36 | 35.9 | 19.492 | 35.439 | 5.43 | 0.30 | 25.231 | 0.117 | 1521. | 15.5 |
| 38 | 38.1 | 18.415 | 35.411 | 5.59 | 0.32 | 25.485 | 0.123 | 1518. | 15.5 |
| 40 | 39.9 | 17.214 | 35.326 | 5.75 | 0.38 | 25.714 | 0.128 | 1514. | 15.0 |
| 42 | 42.1 | 16.991 | 35.387 | 5.67 | 0.40 | 25.815 | 0.132 | 1514. | 14.5 |
| 44 | 43.9 | 16.835 | 35.398 | 5.63 | 0.40 | 25.860 | 0.136 | 1514. | 13.6 |
| 46 | 46.0 | 16.349 | 35.408 | 5.55 | 0.38 | 25.982 | 0.141 | 1512. | 12.7 |
| 48 | 48.1 | 15.834 | 35.411 | 5.49 | 0.30 | 26.102 | 0.145 | 1511. | 12.0 |
| 50 | 50.0 | 15.643 | 35.423 | 5.28 | 0.27 | 26.156 | 0.148 | 1510. | 11.6 |
| 52 | 52.0 | 15.020 | 35.374 | 5.16 | 0.21 | 26.257 | 0.152 | 1508. | 11.1 |
| 54 | 54.0 | 14.079 | 35.265 | 5.09 | 0.15 | 26.376 | 0.156 | 1505. | 10.3 |
| 56 | 56.0 | 13.984 | 35.290 | 4.90 | 0.15 | 26.415 | 0.159 | 1505. | 9.7 |
| 58 | 58.1 | 13.989 | 35.334 | 4.81 | 0.14 | 26.448 | 0.162 | 1505. | 9.3 |
| 59 | 59.9 | 13.557 | 35.251 | 4.83 | 0.14 | 26.474 | 0.165 | 1503. | 8.8 |
| 62 | 62.1 | 12.888 | 35.143 | 4.91 | 0.14 | 26.527 | 0.168 | 1501. | 8.3 |
| 63 | 63.9 | 12.870 | 35.223 | 4.87 | 0.13 | 26.592 | 0.171 | 1501. | 8.2 |
| 66 | 66.2 | 12.909 | 35.289 | 4.84 | 0.12 | 26.636 | 0.174 | 1501. | 7.9 |
| 67 | 67.8 | 13.077 | 35.386 | 4.76 | 0.11 | 26.677 | 0.177 | 1502. | 7.4 |
| 69 | 70.0 | 13.158 | 35.441 | 4.70 | 0.10 | 26.703 | 0.180 | 1502. | 6.5 |
| 71 | 72.0 | 13.090 | 35.451 | 4.72 | 0.10 | 26.725 | 0.182 | 1502. | 5.5 |
| 73 | 74.1 | 13.007 | 35.447 | 4.69 | 0.09 | 26.739 | 0.185 | 1502. | 4.7 |
| 75 | 75.8 | 12.991 | 35.451 | 4.72 | 0.09 | 26.745 | 0.187 | 1502. | 4.0 |
| 77 | 78.0 | 12.988 | 35.459 | 4.65 | 0.09 | 26.752 | 0.190 | 1502. | 3.7 |
| 79 | 80.1 | 12.980 | 35.461 | 4.67 | 0.09 | 26.755 | 0.193 | 1502. | 3.4 |
| 81 | 81.9 | 12.968 | 35.464 | 4.68 | 0.09 | 26.760 | 0.195 | 1502. | 3.3 |
| 83 | 84.0 | 12.945 | 35.471 | 4.66 | 0.09 | 26.770 | 0.198 | 1502. | 3.3 |
| 85 | 86.0 | 12.931 | 35.486 | 4.65 | 0.09 | 26.784 | 0.200 | 1502. | 3.4 |
| 87 | 88.1 | 12.939 | 35.491 | 4.59 | 0.09 | 26.786 | 0.203 | 1502. | 3.5 |
| 89 | 89.9 | 12.937 | 35.494 | 4.57 | 0.09 | 26.789 | 0.206 | 1502. | 3.5 |
| 91 | 91.9 | 12.910 | 35.497 | 4.55 | 0.09 | 26.797 | 0.208 | 1502. | 3.5 |
| 93 | 94.1 | 12.880 | 35.505 | 4.53 | 0.09 | 26.809 | 0.211 | 1502. | 3.4 |
| 95 | 95.9 | 12.868 | 35.510 | 4.54 | 0.09 | 26.815 | 0.213 | 1502. | 3.5 |
| 97 | 98.0 | 12.800 | 35.509 | 4.43 | 0.09 | 26.828 | 0.216 | 1502. | 3.4 |
| 99 | 100.1 | 12.795 | 35.514 | 4.42 | 0.09 | 26.833 | 0.218 | 1502. | 3.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 54 | 13 JUL 1982 | 1851 | 40°24.2'N | 68°00.3'W | 143 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^{3}$ | DYHT A 10m$^{2}$/s$^{2}$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 12.797 | 35.517 | 4.42 | 0.09 | 26.835 | 0.221 | 1502. | 3.0 |
| 103 | 104.0 | 12.787 | 35.522 | 4.39 | 0.09 | 26.841 | 0.223 | 1502. | 2.9 |
| 105 | 105.9 | 12.768 | 35.525 | 4.36 | 0.09 | 26.847 | 0.225 | 1502. | 2.9 |
| 107 | 107.9 | 12.756 | 35.526 | 4.34 | 0.09 | 26.850 | 0.228 | 1502. | 3.2 |
| 109 | 110.1 | 12.749 | 35.529 | 4.30 | 0.09 | 26.854 | 0.231 | 1502. | 3.4 |
| 111 | 111.9 | 12.727 | 35.532 | 4.31 | 0.09 | 26.861 | 0.233 | 1502. | 3.5 |
| 113 | 114.1 | 12.630 | 35.527 | 4.26 | 0.09 | 26.876 | 0.235 | 1501. | 3.5 |
| 115 | 116.0 | 12.556 | 35.521 | 4.23 | 0.09 | 26.886 | 0.238 | 1501. | 3.4 |
| 117 | 118.0 | 12.539 | 35.527 | 4.19 | 0.09 | 26.894 | 0.240 | 1501. | 3.1 |
| 119 | 120.1 | 12.559 | 35.536 | 4.16 | 0.09 | 26.897 | 0.242 | 1501. | 2.7 |
| 121 | 121.9 | 12.574 | 35.541 | 4.14 | 0.09 | 26.898 | 0.245 | 1501. | 2.2 |
| 123 | 124.1 | 12.584 | 35.546 | 4.11 | 0.09 | 26.900 | 0.247 | 1501. | 1.9 |
| 125 | 126.0 | 12.585 | 35.548 | 4.11 | 0.09 | 26.901 | 0.249 | 1502. | 1.8 |
| 127 | 128.0 | 12.577 | 35.548 | 4.11 | 0.09 | 26.903 | 0.252 | 1502. | 2.0 |
| 129 | 130.0 | 12.554 | 35.546 | 4.09 | 0.09 | 26.906 | 0.254 | 1501. | 2.5 |
| 130 | 131.3 | 12.541 | 35.544 | 4.07 | 0.09 | 26.907 | 0.256 | 1501. | 3.1 |
| 131 | 132.0 | 12.475 | 35.532 | 4.09 | 0.10 | 26.911 | 0.256 | 1501. | 3.6 |
| 132 | 133.0 | 12.440 | 35.529 | 4.06 | 0.10 | 26.915 | 0.258 | 1501. | 4.2 |
| 133 | 134.0 | 12.322 | 35.515 | 4.07 | 0.10 | 26.928 | 0.259 | 1501. | 4.2 |
| 134 | 135.1 | 12.259 | 35.511 | 4.06 | 0.10 | 26.937 | 0.260 | 1501. | 4.2 |
| 135 | 136.0 | 12.237 | 35.510 | 4.08 | 0.10 | 26.940 | 0.261 | 1500. | 4.2 |
| 136 | 137.2 | 12.172 | 35.504 | 4.06 | 0.11 | 26.948 | 0.262 | 1500. | 4.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 55 | 13 JUL 1982 | 1941 | 40°29.5'N | 68°00.5'W | 121 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^{3}$ | DYHT A 10m$^{2}$/s$^{2}$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 2.9 | 21.689 | 34.622 | 5.10 | 0.29 | 24.019 | 0.000 | 1526. | 11.1 |
| 4 | 3.9 | 21.685 | 34.624 | 5.33 | 0.35 | 24.022 | 0.004 | 1526. | 11.1 |
| 6 | 6.0 | 21.425 | 34.618 | 5.37 | 0.36 | 24.089 | 0.012 | 1525. | 11.1 |
| 8 | 8.0 | 21.157 | 34.616 | 5.46 | 0.36 | 24.160 | 0.020 | 1524. | 11.1 |
| 10 | 9.9 | 21.077 | 34.626 | 5.52 | 0.35 | 24.190 | 0.027 | 1524. | 11.1 |
| 12 | 12.1 | 21.039 | 34.636 | 5.53 | 0.36 | 24.207 | 0.035 | 1524. | 12.4 |
| 14 | 14.0 | 20.989 | 34.647 | 5.55 | 0.37 | 24.230 | 0.042 | 1524. | 13.4 |
| 16 | 16.0 | 20.309 | 34.736 | 5.61 | 0.39 | 24.480 | 0.049 | 1522. | 14.1 |
| 18 | 18.0 | 19.588 | 34.801 | 5.74 | 0.41 | 24.719 | 0.056 | 1520. | 14.6 |
| 20 | 20.0 | 19.734 | 35.022 | 5.71 | 0.40 | 24.850 | 0.062 | 1521. | 14.7 |
| 22 | 22.0 | 19.901 | 35.208 | 5.65 | 0.40 | 24.948 | 0.068 | 1522. | 14.2 |
| 24 | 24.0 | 19.923 | 35.320 | 5.64 | 0.39 | 25.027 | 0.074 | 1522. | 13.0 |
| 26 | 26.0 | 19.778 | 35.417 | 5.66 | 0.40 | 25.140 | 0.080 | 1522. | 12.2 |
| 28 | 28.0 | 19.508 | 35.437 | 5.69 | 0.41 | 25.225 | 0.085 | 1521. | 11.6 |
| 30 | 30.0 | 19.194 | 35.446 | 5.73 | 0.42 | 25.314 | 0.091 | 1520. | 11.2 |
| 32 | 32.0 | 18.743 | 35.420 | 5.79 | 0.45 | 25.409 | 0.096 | 1519. | 11.1 |
| 34 | 34.0 | 18.353 | 35.386 | 5.85 | 0.48 | 25.481 | 0.101 | 1518. | 10.7 |
| 36 | 36.1 | 18.279 | 35.378 | 5.81 | 0.49 | 25.494 | 0.106 | 1518. | 10.2 |
| 38 | 38.0 | 17.931 | 35.374 | 5.79 | 0.50 | 25.577 | 0.111 | 1517. | 9.8 |
| 40 | 40.0 | 17.473 | 35.382 | 5.83 | 0.48 | 25.695 | 0.116 | 1515. | 9.4 |
| 42 | 42.0 | 17.429 | 35.391 | 5.79 | 0.45 | 25.712 | 0.120 | 1515. | 9.0 |
| 44 | 44.0 | 17.282 | 35.397 | 5.76 | 0.42 | 25.752 | 0.125 | 1515. | 9.1 |
| 46 | 45.9 | 17.051 | 35.388 | 5.71 | 0.40 | 25.801 | 0.129 | 1514. | 8.8 |
| 48 | 48.0 | 16.900 | 35.386 | 5.61 | 0.38 | 25.836 | 0.134 | 1514. | 8.7 |
| 50 | 50.0 | 16.807 | 35.406 | 5.47 | 0.35 | 25.873 | 0.138 | 1514. | 9.0 |
| 52 | 52.1 | 16.557 | 35.440 | 5.40 | 0.32 | 25.958 | 0.142 | 1513. | 9.0 |
| 54 | 54.1 | 16.426 | 35.466 | 5.28 | 0.31 | 26.008 | 0.146 | 1513. | 8.8 |
| 55 | 55.9 | 16.345 | 35.516 | 5.16 | 0.28 | 26.066 | 0.150 | 1512. | 8.5 |
| 58 | 58.1 | 16.292 | 35.559 | 5.10 | 0.26 | 26.111 | 0.154 | 1512. | 7.9 |
| 59 | 59.9 | 16.188 | 35.570 | 5.07 | 0.26 | 26.144 | 0.158 | 1512. | 7.1 |
| 62 | 62.1 | 16.093 | 35.564 | 5.00 | 0.25 | 26.161 | 0.162 | 1512. | 6.4 |
| 63 | 63.9 | 16.011 | 35.567 | 4.97 | 0.26 | 26.182 | 0.165 | 1512. | 6.0 |
| 66 | 66.0 | 15.960 | 35.580 | 4.92 | 0.24 | 26.204 | 0.169 | 1511. | 6.4 |
| 67 | 67.9 | 15.930 | 35.582 | 4.88 | 0.24 | 26.212 | 0.172 | 1511. | 6.7 |
| 69 | 70.0 | 15.886 | 35.595 | 4.83 | 0.23 | 26.232 | 0.176 | 1511. | 7.5 |
| 71 | 72.0 | 15.705 | 35.595 | 4.79 | 0.23 | 26.273 | 0.180 | 1511. | 8.1 |
| 73 | 74.0 | 15.384 | 35.601 | 4.80 | 0.22 | 26.351 | 0.183 | 1510. | 8.3 |
| 75 | 76.1 | 15.194 | 35.577 | 4.76 | 0.21 | 26.375 | 0.187 | 1509. | 8.5 |
| 77 | 77.9 | 14.751 | 35.564 | 4.77 | 0.20 | 26.463 | 0.190 | 1508. | 8.2 |
| 79 | 80.0 | 14.712 | 35.588 | 4.72 | 0.19 | 26.490 | 0.193 | 1508. | 7.7 |
| 81 | 82.1 | 14.591 | 35.586 | 4.70 | 0.19 | 26.514 | 0.196 | 1507. | 7.1 |
| 83 | 83.9 | 14.417 | 35.575 | 4.69 | 0.19 | 26.543 | 0.199 | 1507. | 6.7 |
| 85 | 86.0 | 14.273 | 35.556 | 4.66 | 0.18 | 26.559 | 0.202 | 1506. | 6.1 |
| 87 | 87.9 | 14.103 | 35.527 | 4.60 | 0.19 | 26.573 | 0.205 | 1506. | 5.7 |
| 89 | 90.0 | 13.620 | 35.445 | 4.62 | 0.20 | 26.611 | 0.208 | 1504. | 5.2 |
| 91 | 92.2 | 13.371 | 35.414 | 4.64 | 0.21 | 26.639 | 0.211 | 1503. | 4.6 |
| 93 | 93.9 | 13.336 | 35.406 | 4.63 | 0.22 | 26.640 | 0.213 | 1503. | 4.0 |
| 95 | 96.0 | 13.335 | 35.406 | 4.62 | 0.22 | 26.640 | 0.216 | 1503. | 3.2 |
| 97 | 98.0 | 13.328 | 35.405 | 4.61 | 0.22 | 26.641 | 0.219 | 1503. | 2.0 |
| 99 | 99.9 | 13.318 | 35.402 | 4.59 | 0.22 | 26.641 | 0.222 | 1503. | 1.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 55 | 13 JUL 1982 | 1941 | 40°29.5'N | 68°00.5'W | 121 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.1 | 13.315 | 35.402 | 4.58 | 0.22 | 26.641 | 0.225 | 1503. | 1.0 |
| 103 | 103.9 | 13.320 | 35.405 | 4.59 | 0.23 | 26.643 | 0.228 | 1503. | 1.5 |
| 104 | 105.3 | 13.312 | 35.404 | 4.57 | 0.22 | 26.643 | 0.229 | 1503. | 2.1 |
| 105 | 106.0 | 13.321 | 35.406 | 4.56 | 0.22 | 26.643 | 0.231 | 1503. | 2.8 |
| 106 | 107.0 | 13.313 | 35.405 | 4.57 | 0.22 | 26.644 | 0.232 | 1503. | 3.4 |
| 107 | 108.0 | 13.251 | 35.400 | 4.56 | 0.23 | 26.652 | 0.233 | 1503. | 3.8 |
| 108 | 109.0 | 13.198 | 35.399 | 4.55 | 0.23 | 26.662 | 0.235 | 1503. | 3.9 |
| 109 | 110.0 | 13.185 | 35.399 | 4.55 | 0.23 | 26.665 | 0.236 | 1503. | 3.9 |
| 110 | 111.0 | 13.156 | 35.398 | 4.55 | 0.23 | 26.671 | 0.238 | 1503. | 3.8 |
| 111 | 111.9 | 13.142 | 35.398 | 4.50 | 0.23 | 26.673 | 0.239 | 1503. | 3.4 |
| 112 | 113.0 | 13.136 | 35.397 | 4.49 | 0.23 | 26.673 | 0.240 | 1503. | 3.4 |
| 113 | 114.1 | 13.095 | 35.395 | 4.48 | 0.23 | 26.681 | 0.242 | 1503. | 3.4 |
| 114 | 114.9 | 13.081 | 35.394 | 4.49 | 0.22 | 26.682 | 0.243 | 1503. | 3.4 |
| 115 | 115.9 | 13.073 | 35.394 | 4.50 | 0.24 | 26.684 | 0.244 | 1503. | 3.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 56 | 13 JUL 1982 | 2051 | 40°35.0'N | 68°00.6'W | 93 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 2.8 | 22.151 | 35.063 | 5.03 | 0.23 | 24.224 | 0.000 | 1527. | 11.2 |
| 4 | 4.0 | 22.158 | 35.070 | 5.11 | 0.23 | 24.228 | 0.004 | 1527. | 11.2 |
| 6 | 6.0 | 22.296 | 35.190 | 5.07 | 0.23 | 24.280 | 0.012 | 1528. | 11.2 |
| 8 | 8.1 | 22.395 | 35.254 | 5.06 | 0.22 | 24.301 | 0.019 | 1528. | 11.2 |
| 10 | 10.0 | 22.184 | 35.326 | 5.14 | 0.21 | 24.415 | 0.026 | 1528. | 11.2 |
| 12 | 11.9 | 22.095 | 35.354 | 5.19 | 0.21 | 24.461 | 0.033 | 1528. | 11.6 |
| 14 | 14.0 | 21.749 | 35.414 | 5.23 | 0.21 | 24.604 | 0.040 | 1527. | 11.9 |
| 16 | 16.1 | 21.438 | 35.465 | 5.26 | 0.22 | 24.729 | 0.047 | 1526. | 12.4 |
| 18 | 17.9 | 21.230 | 35.481 | 5.31 | 0.22 | 24.798 | 0.053 | 1526. | 12.3 |
| 20 | 20.0 | 21.051 | 35.478 | 5.3[illegible] | 0.23 | 24.845 | 0.059 | 1525. | 12.1 |
| 22 | 22.0 | 20.696 | 35.486 | 5.38 | 0.24 | 24.948 | 0.065 | 1524. | 11.9 |
| 24 | 24.1 | 20.250 | 35.547 | 5.45 | 0.24 | 25.114 | 0.071 | 1523. | 12.1 |
| 26 | 26.0 | 20.139 | 35.561 | 5.49 | 0.25 | 25.154 | 0.076 | 1523. | 12.2 |
| 28 | 28.1 | 19.959 | 35.572 | 5.50 | 0.25 | 25.210 | 0.082 | 1522. | 12.7 |
| 30 | 29.9 | 19.474 | 35.581 | 5.57 | 0.26 | 25.344 | 0.087 | 1521. | 12.8 |
| 32 | 31.9 | 18.809 | 35.507 | 5.58 | 0.29 | 25.459 | 0.093 | 1519. | 12.8 |
| 34 | 34.0 | 17.657 | 35.219 | 5.56 | 0.29 | 25.525 | 0.098 | 1516. | 13.1 |
| 36 | 36.0 | 15.711 | 34.876 | 5.75 | 0.23 | 25.719 | 0.103 | 1509. | 12.9 |
| 38 | 38.0 | 14.686 | 34.675 | 5.70 | 0.22 | 25.791 | 0.107 | 1506. | 12.2 |
| 40 | 40.0 | 13.696 | 34.525 | 5.65 | 0.21 | 25.884 | 0.111 | 1503. | 11.2 |
| 42 | 42.0 | 13.111 | 34.497 | 5.64 | 0.21 | 25.981 | 0.115 | 1501. | 9.9 |
| 44 | 44.0 | 13.087 | 34.560 | 5.54 | 0.21 | 26.035 | 0.119 | 1501. | 8.0 |
| 46 | 45.9 | 13.226 | 34.606 | 5.43 | 0.21 | 26.043 | 0.123 | 1501. | 6.6 |
| 48 | 48.0 | 13.313 | 34.627 | 5.35 | 0.22 | 26.041 | 0.127 | 1502. | 4.8 |
| 50 | 50.1 | 13.282 | 34.624 | 5.32 | 0.21 | 26.045 | 0.131 | 1502. | 2.9 |
| 52 | 51.9 | 13.299 | 34.626 | 5.27 | 0.22 | 26.044 | 0.135 | 1502. | 1.8 |
| 54 | 54.1 | 13.262 | 34.620 | 5.28 | 0.22 | 26.046 | 0.139 | 1501. | 1.8 |
| 55 | 55.9 | 13.246 | 34.617 | 5.28 | 0.22 | 26.047 | 0.143 | 1501. | 2.0 |
| 58 | 58.0 | 13.205 | 34.612 | 5.27 | 0.22 | 26.051 | 0.147 | 1501. | 2.1 |
| 60 | 60.0 | 13.184 | 34.612 | 5.28 | 0.22 | 26.056 | 0.151 | 1501. | 2.2 |
| 61 | 61.9 | 13.176 | 34.613 | 5.27 | 0.22 | 26.058 | 0.155 | 1501. | 2.1 |
| 64 | 64.1 | 13.164 | 34.613 | 5.28 | 0.22 | 26.061 | 0.159 | 1501. | 2.0 |
| 65 | 66.0 | 13.163 | 34.616 | 5.28 | 0.22 | 26.064 | 0.163 | 1501. | 1.8 |
| 67 | 68.0 | 13.172 | 34.622 | 5.26 | 0.22 | 26.066 | 0.167 | 1501. | 1.8 |
| 69 | 70.0 | 13.180 | 34.625 | 5.27 | 0.22 | 26.066 | 0.170 | 1501. | 2.0 |
| 71 | 72.0 | 13.199 | 34.631 | 5.27 | 0.22 | 26.067 | 0.174 | 1502. | 2.7 |
| 73 | 73.9 | 13.205 | 34.634 | 5.25 | 0.22 | 26.069 | 0.178 | 1502. | 3.4 |
| 75 | 76.0 | 13.196 | 34.636 | 5.23 | 0.21 | 26.072 | 0.182 | 1502. | 4.2 |
| 77 | 78.0 | 13.165 | 34.641 | 5.21 | 0.21 | 26.082 | 0.186 | 1502. | 5.0 |
| 79 | 80.0 | 13.160 | 34.675 | 5.15 | 0.20 | 26.109 | 0.190 | 1502. | 5.9 |
| 81 | 81.2 | 13.171 | 34.706 | 5.12 | 0.20 | 26.131 | 0.192 | 1502. | 6.5 |
| 81 | 82.0 | 13.181 | 34.731 | 5.11 | 0.20 | 26.149 | 0.194 | 1502. | 7.0 |
| 82 | 83.0 | 13.196 | 34.769 | 5.10 | 0.19 | 26.175 | 0.196 | 1502. | 7.1 |
| 83 | 84.0 | 13.215 | 34.804 | 5.07 | 0.19 | 26.198 | 0.197 | 1502. | 6.7 |
| 84 | 85.0 | 13.214 | 34.805 | 5.02 | 0.19 | 26.199 | 0.199 | 1502. | 6.1 |
| 85 | 86.0 | 13.223 | 34.821 | 4.97 | 0.19 | 26.210 | 0.201 | 1502. | 6.1 |
| 86 | 87.0 | 13.226 | 34.827 | 4.90 | 0.19 | 26.214 | 0.203 | 1502. | 6.1 |
| 87 | 88.0 | 13.234 | 34.840 | 4.75 | 0.19 | 26.222 | 0.205 | 1502. | 6.1 |
| 88 | 88.9 | 13.242 | 34.850 | 4.79 | 0.19 | 26.228 | 0.206 | 1502. | 6.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 57 | 14 JUL 1982 | 0350 | 40°39.9'N | 68°00.7'W | 85 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 1.9 | 20.506 | 34.325 | 5.48 | 0.19 | 24.114 | 0.000 | 1522. | 10.4 |
| 4 | 4.0 | 20.752 | 34.496 | 5.43 | 0.18 | 24.178 | 0.008 | 1523. | 10.4 |
| 6 | 6.1 | 21.533 | 34.932 | 5.19 | 0.20 | 24.298 | 0.016 | 1526. | 10.4 |
| 8 | 7.9 | 21.726 | 35.062 | 5.02 | 0.20 | 24.343 | 0.022 | 1526. | 10.4 |
| 10 | 10.1 | 21.859 | 35.273 | 4.96 | 0.20 | 24.466 | 0.030 | 1527. | 10.4 |
| 12 | 11.9 | 21.793 | 35.295 | 4.95 | 0.19 | 24.502 | 0.036 | 1527. | 10.0 |
| 14 | 14.0 | 21.533 | 35.285 | 5.01 | 0.20 | 24.566 | 0.043 | 1526. | 9.3 |
| 16 | 16.0 | 21.427 | 35.291 | 5.02 | 0.20 | 24.600 | 0.050 | 1526. | 9.2 |
| 18 | 18.0 | 21.318 | 35.327 | 5.03 | 0.20 | 24.657 | 0.056 | 1526. | 8.9 |
| 20 | 20.0 | 21.243 | 35.363 | 5.05 | 0.21 | 24.705 | 0.063 | 1526. | 9.1 |
| 22 | 22.0 | 21.214 | 35.388 | 5.03 | 0.21 | 24.732 | 0.070 | 1526. | 9.5 |
| 24 | 24.0 | 21.071 | 35.451 | 5.00 | 0.22 | 24.819 | 0.076 | 1525. | 10.1 |
| 26 | 26.0 | 20.952 | 35.480 | 5.02 | 0.22 | 24.874 | 0.082 | 1525. | 10.6 |
| 28 | 28.0 | 20.802 | 35.501 | 5.08 | 0.22 | 24.931 | 0.088 | 1525. | 11.1 |
| 30 | 29.9 | 20.482 | 35.521 | 5.12 | 0.22 | 25.032 | 0.094 | 1524. | 11.4 |
| 32 | 32.0 | 20.066 | 35.507 | 5.19 | 0.22 | 25.133 | 0.100 | 1523. | 11.4 |
| 34 | 34.1 | 19.560 | 35.448 | 5.29 | 0.22 | 25.220 | 0.106 | 1521. | 11.2 |
| 36 | 36.0 | 18.836 | 35.322 | 5.38 | 0.21 | 25.310 | 0.111 | 1519. | 10.8 |
| 38 | 38.0 | 18.300 | 35.238 | 5.45 | 0.21 | 25.381 | 0.116 | 1518. | 10.1 |
| 40 | 40.0 | 18.024 | 35.206 | 5.49 | 0.21 | 25.425 | 0.121 | 1517. | 9.9 |
| 42 | 42.0 | 17.756 | 35.185 | 5.50 | 0.22 | 25.475 | 0.126 | 1516. | 9.9 |
| 44 | 44.0 | 17.492 | 35.149 | 5.52 | 0.23 | 25.511 | 0.131 | 1515. | 10.2 |
| 46 | 45.9 | 17.147 | 35.110 | 5.51 | 0.24 | 25.565 | 0.136 | 1514. | 10.4 |
| 48 | 48.0 | 16.695 | 35.103 | 5.55 | 0.21 | 25.667 | 0.141 | 1513. | 10.5 |
| 50 | 49.9 | 16.101 | 35.056 | 5.59 | 0.19 | 25.769 | 0.145 | 1511. | 10.4 |
| 52 | 52.0 | 15.639 | 35.029 | 5.50 | 0.18 | 25.853 | 0.150 | 1510. | 10.2 |
| 54 | 54.0 | 15.361 | 35.006 | 5.46 | 0.18 | 25.898 | 0.154 | 1509. | 10.0 |
| 56 | 56.0 | 15.131 | 34.992 | 5.39 | 0.17 | 25.938 | 0.158 | 1508. | 9.5 |
| 58 | 58.0 | 14.890 | 34.971 | 5.34 | 0.17 | 25.974 | 0.162 | 1507. | 9.0 |
| 60 | 60.0 | 14.536 | 34.935 | 5.34 | 0.17 | 26.024 | 0.167 | 1506. | 8.5 |
| 62 | 62.0 | 13.836 | 34.861 | 5.37 | 0.17 | 26.115 | 0.170 | 1504. | 8.0 |
| 64 | 64.0 | 13.569 | 34.843 | 5.29 | 0.18 | 26.156 | 0.174 | 1503. | 7.5 |
| 65 | 66.0 | 13.332 | 34.805 | 5.21 | 0.18 | 26.176 | 0.178 | 1502. | 6.8 |
| 67 | 68.0 | 13.267 | 34.799 | 5.16 | 0.19 | 26.184 | 0.182 | 1502. | 5.7 |
| 69 | 70.0 | 13.202 | 34.788 | 5.17 | 0.19 | 26.188 | 0.185 | 1502. | 4.1 |
| 71 | 71.2 | 13.196 | 34.789 | 5.16 | 0.19 | 26.191 | 0.188 | 1502. | 3.0 |
| 71 | 72.0 | 13.194 | 34.789 | 5.14 | 0.20 | 26.191 | 0.189 | 1502. | 2.2 |
| 72 | 73.1 | 13.194 | 34.789 | 5.13 | 0.20 | 26.191 | 0.191 | 1502. | 1.6 |
| 73 | 74.0 | 13.198 | 34.791 | 5.16 | 0.19 | 26.192 | 0.193 | 1502. | 1.1 |
| 74 | 75.0 | 13.194 | 34.790 | 5.15 | 0.19 | 26.192 | 0.194 | 1502. | 0.9 |
| 75 | 76.0 | 13.191 | 34.789 | 5.11 | 0.20 | 26.192 | 0.196 | 1502. | 0.6 |
| 76 | 77.0 | 13.196 | 34.791 | 5.10 | 0.19 | 26.192 | 0.198 | 1502. | 0.9 |
| 77 | 78.0 | 13.195 | 34.791 | 5.11 | 0.19 | 26.192 | 0.200 | 1502. | 1.0 |
| 78 | 79.0 | 13.195 | 34.791 | 5.11 | 0.19 | 26.192 | 0.202 | 1502. | 1.0 |
| 79 | 80.1 | 13.209 | 34.793 | 5.03 | 0.19 | 26.191 | 0.204 | 1502. | 0.9 |
| 80 | 81.0 | 13.212 | 34.798 | 4.87 | 0.19 | 26.194 | 0.205 | 1502. | 0.9 |
| 81 | 82.0 | 13.213 | 34.798 | 4.87 | 0.19 | 26.194 | 0.207 | 1502. | 0.9 |
| 82 | 83.0 | 13.212 | 34.797 | 4.87 | 0.19 | 26.194 | 0.209 | 1502. | 0.9 |
| 83 | 84.0 | 13.213 | 34.796 | 4.92 | 0.19 | 26.193 | 0.211 | 1502. | 0.9 |
| 84 | 84.6 | 13.210 | 34.797 | 4.82 | 0.19 | 26.194 | 0.212 | 1502. | 0.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 58 | 14 JUL 1982 | 0530 | 40°37.3'N | 68°17.5'W | 83 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.2 | 18.380 | 33.652 | 5.94 | 0.24 | 24.148 | 0.000 | 1515. | 17.5 |
| 4 | 4.1 | 18.343 | 33.715 | 5.83 | 0.23 | 24.205 | 0.007 | 1515. | 17.5 |
| 6 | 6.1 | 17.610 | 34.070 | 5.95 | 0.18 | 24.656 | 0.014 | 1514. | 17.5 |
| 8 | 7.8 | 17.716 | 34.278 | 5.85 | 0.18 | 24.789 | 0.020 | 1514. | 17.5 |
| 10 | 10.1 | 17.902 | 34.669 | 5.68 | 0.18 | 25.044 | 0.026 | 1515. | 17.5 |
| 12 | 11.9 | 17.996 | 34.902 | 5.65 | 0.18 | 25.199 | 0.031 | 1516. | 17.2 |
| 14 | 14.1 | 17.495 | 34.850 | 5.67 | 0.19 | 25.282 | 0.037 | 1514. | 15.8 |
| 16 | 15.9 | 15.829 | 34.549 | 5.91 | 0.22 | 25.440 | 0.042 | 1509. | 15.0 |
| 18 | 18.0 | 14.045 | 34.351 | 6.08 | 0.28 | 25.677 | 0.047 | 1503. | 13.6 |
| 20 | 20.1 | 12.708 | 34.217 | 6.18 | 0.25 | 25.845 | 0.052 | 1499. | 12.2 |
| 22 | 22.0 | 12.545 | 34.211 | 5.86 | 0.24 | 25.872 | 0.056 | 1498. | 10.6 |
| 24 | 24.0 | 12.516 | 34.214 | 5.68 | 0.23 | 25.880 | 0.060 | 1498. | 8.2 |
| 26 | 26.0 | 12.497 | 34.215 | 5.61 | 0.23 | 25.885 | 0.064 | 1498. | 5.4 |
| 28 | 28.1 | 12.493 | 34.219 | 5.61 | 0.23 | 25.889 | 0.069 | 1498. | 3.1 |
| 30 | 30.0 | 12.495 | 34.223 | 5.63 | 0.23 | 25.891 | 0.073 | 1498. | 2.5 |
| 32 | 31.9 | 12.498 | 34.228 | 5.61 | 0.23 | 25.894 | 0.077 | 1498. | 2.3 |
| 34 | 34.1 | 12.514 | 34.240 | 5.59 | 0.24 | 25.901 | 0.082 | 1498. | 2.1 |
| 36 | 35.9 | 12.529 | 34.247 | 5.60 | 0.24 | 25.903 | 0.085 | 1498. | 2.0 |
| 38 | 38.1 | 12.533 | 34.249 | 5.55 | 0.24 | 25.904 | 0.090 | 1498. | 1.7 |
| 40 | 39.8 | 12.535 | 34.250 | 5.59 | 0.24 | 25.904 | 0.094 | 1498. | 1.4 |
| 42 | 42.1 | 12.542 | 34.255 | 5.52 | 0.24 | 25.907 | 0.098 | 1498. | 1.2 |
| 44 | 43.9 | 12.546 | 34.256 | 5.54 | 0.25 | 25.907 | 0.102 | 1499. | 1.1 |
| 46 | 46.2 | 12.550 | 34.253 | 5.50 | 0.25 | 25.904 | 0.107 | 1499. | 1.1 |
| 47 | 47.8 | 12.553 | 34.260 | 5.53 | 0.25 | 25.908 | 0.110 | 1499. | 1.0 |
| 50 | 50.2 | 12.554 | 34.260 | 5.47 | 0.25 | 25.908 | 0.115 | 1499. | 1.0 |
| 52 | 51.9 | 12.554 | 34.261 | 5.51 | 0.25 | 25.909 | 0.119 | 1499. | 0.9 |
| 54 | 54.0 | 12.555 | 34.262 | 5.49 | 0.26 | 25.909 | 0.123 | 1499. | 0.9 |
| 55 | 55.9 | 12.556 | 34.262 | 5.50 | 0.25 | 25.909 | 0.127 | 1499. | 0.7 |
| 58 | 58.1 | 12.558 | 34.263 | 5.48 | 0.25 | 25.910 | 0.132 | 1499. | 0.6 |
| 60 | 60.0 | 12.558 | 34.263 | 5.47 | 0.25 | 25.909 | 0.136 | 1499. | 0.6 |
| 62 | 62.1 | 12.560 | 34.264 | 5.46 | 0.25 | 25.910 | 0.140 | 1499. | 0.5 |
| 63 | 64.0 | 12.566 | 34.266 | 5.46 | 0.25 | 25.910 | 0.144 | 1499. | 0.5 |
| 65 | 66.0 | 12.566 | 34.265 | 5.44 | 0.26 | 25.910 | 0.148 | 1499. | 0.4 |
| 67 | 68.0 | 12.567 | 34.266 | 5.46 | 0.25 | 25.910 | 0.153 | 1499. | 0.4 |
| 69 | 70.0 | 12.565 | 34.265 | 5.44 | 0.25 | 25.910 | 0.157 | 1499. | 0.3 |
| 71 | 71.3 | 12.564 | 34.265 | 5.44 | 0.25 | 25.910 | 0.159 | 1499. | 0.2 |
| 71 | 72.0 | 12.566 | 34.266 | 5.45 | 0.25 | 25.910 | 0.161 | 1499. | 0.3 |
| 72 | 73.0 | 12.566 | 34.265 | 5.47 | 0.26 | 25.910 | 0.163 | 1499. | 0.3 |
| 73 | 74.0 | 12.569 | 34.266 | 5.46 | 0.26 | 25.910 | 0.165 | 1499. | 0.5 |
| 74 | 75.0 | 12.569 | 34.267 | 5.43 | 0.26 | 25.910 | 0.167 | 1499. | 0.5 |
| 75 | 76.0 | 12.569 | 34.266 | 5.42 | 0.25 | 25.910 | 0.169 | 1499. | 0.5 |
| 76 | 77.0 | 12.571 | 34.267 | 5.43 | 0.26 | 25.910 | 0.172 | 1499. | 0.5 |
| 77 | 78.0 | 12.574 | 34.268 | 5.42 | 0.26 | 25.911 | 0.174 | 1499. | 0.5 |
| 78 | 79.0 | 12.575 | 34.268 | 5.40 | 0.27 | 25.911 | 0.176 | 1499. | 0.5 |
| 79 | 80.0 | 12.575 | 34.268 | 5.42 | 0.26 | 25.911 | 0.178 | 1499. | 0.5 |
| 80 | 81.0 | 12.574 | 34.268 | 5.37 | 0.25 | 25.910 | 0.180 | 1499. | 0.5 |
| 81 | 82.0 | 12.574 | 34.268 | 5.28 | 0.26 | 25.911 | 0.182 | 1499. | 0.5 |

STA 59 DAY: 14 TIME: 0700

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|
| 0.0 | 19.9 | 11.7 | 20.8 | 33.1 | 16.7 |
| 1.0 | 19.8 | 11.7 | 20.8 | 34.1 | 16.6 |
| 1.0 | 19.7 | 12.7 | 20.8 | 34.1 | 16.5 |
| 1.9 | 19.7 | 13.6 | 20.7 | 35.0 | 16.5 |
| 1.9 | 19.8 | 13.6 | 20.7 | 36.0 | 16.4 |
| 1.9 | 19.9 | 14.6 | 20.6 | 36.0 | 16.4 |
| 1.9 | 20.0 | 14.6 | 20.6 | 37.0 | 16.4 |
| 1.9 | 20.2 | 15.6 | 20.5 | 37.0 | 16.3 |
| 1.9 | 20.4 | 15.6 | 20.5 | 38.9 | 16.3 |
| 2.9 | 20.5 | 15.6 | 20.5 | 39.9 | 16.3 |
| 2.9 | 20.6 | 16.6 | 20.4 | 40.9 | 16.3 |
| 2.9 | 20.7 | 17.5 | 20.4 | 41.8 | 16.3 |
| 2.9 | 20.8 | 17.5 | 20.3 | 42.8 | 16.2 |
| 2.9 | 20.9 | 18.5 | 20.3 | 42.8 | 16.1 |
| 2.9 | 21.0 | 18.5 | 20.2 | 42.8 | 15.9 |
| 2.9 | 21.1 | 19.5 | 20.1 | 43.8 | 15.7 |
| 3.9 | 21.1 | 19.5 | 20.1 | 44.7 | 15.5 |
| 4.9 | 21.0 | 19.5 | 20.1 | 44.7 | 15.4 |
| 4.9 | 20.8 | 20.4 | 20.0 | 44.7 | 15.2 |
| 4.9 | 20.7 | 21.4 | 20.0 | 45.7 | 15.0 |
| 4.9 | 20.6 | 21.4 | 19.9 | 46.7 | 14.6 |
| 5.8 | 20.5 | 21.4 | 19.8 | 47.6 | 14.1 |
| 5.8 | 20.4 | 21.4 | 19.7 | 47.6 | 14.0 |
| 5.8 | 20.3 | 22.4 | 19.7 | 47.6 | 13.8 |
| 5.8 | 20.2 | 22.4 | 19.6 | 48.6 | 13.7 |
| 6.8 | 20.1 | 23.4 | 19.5 | 49.6 | 13.6 |
| 6.8 | 20.0 | 23.4 | 19.4 | 50.6 | 13.6 |
| 6.8 | 19.9 | 24.3 | 19.3 | 51.5 | 13.6 |
| 6.8 | 19.8 | 24.3 | 19.3 | 52.5 | 13.5 |
| 6.8 | 19.7 | 24.3 | 19.2 | 53.5 | 13.4 |
| 6.8 | 19.6 | 24.3 | 19.1 | 55.4 | 13.4 |
| 7.8 | 19.6 | 25.3 | 19.0 | 57.3 | 13.4 |
| 7.8 | 19.5 | 25.3 | 18.8 | 60.2 | 13.4 |
| 7.8 | 19.6 | 25.3 | 18.7 | 62.2 | 13.4 |
| 7.8 | 19.7 | 25.3 | 18.6 | 65.1 | 13.4 |
| 8.8 | 19.8 | 27.3 | 18.4 | 67.0 | 13.4 |
| 8.8 | 19.8 | 28.2 | 18.3 | 69.0 | 13.3 |
| 8.8 | 19.9 | 28.2 | 18.2 | 71.9 | 13.4 |
| 8.8 | 20.0 | 29.2 | 18.0 | 74.8 | 13.4 |
| 8.8 | 20.1 | 29.2 | 17.9 | 77.7 | 13.4 |
| 8.8 | 20.2 | 29.2 | 17.8 | 79.6 | 13.4 |
| 8.8 | 20.3 | 30.2 | 17.6 | 81.5 | 13.4 |
| 9.7 | 20.4 | 30.2 | 17.5 | 84.4 | 13.3 |
| 9.7 | 20.5 | 31.1 | 17.4 | 87.3 | 13.4 |
| 9.7 | 20.6 | 31.1 | 17.2 | 89.2 | 13.3 |
| 9.7 | 20.7 | 32.1 | 17.1 | 92.1 | 13.3 |
| 9.7 | 20.7 | 32.1 | 17.0 | 94.1 | 13.3 |
| 9.7 | 20.7 | 33.1 | 17.0 | | |
| 10.7 | 20.7 | 33.1 | 16.9 | | |
| 10.7 | 20.8 | 33.1 | 16.8 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 60 | 14 JUL 1982 | 0620 | 40°30.7'N | 68°14.9'W | 101 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.2 | 21.345 | 35.089 | 5.20 | 0.20 | 24.468 | 0.000 | 1525. | 10.5 |
| 4 | 4.0 | 21.289 | 35.061 | 5.25 | 0.20 | 24.463 | 0.006 | 1525. | 10.5 |
| 6 | 6.0 | 21.329 | 35.114 | 5.20 | 0.20 | 24.492 | 0.013 | 1525. | 10.5 |
| 8 | 7.9 | 21.437 | 35.366 | 5.17 | 0.20 | 24.654 | 0.019 | 1526. | 10.5 |
| 10 | 9.9 | 21.105 | 35.467 | 5.26 | 0.21 | 24.822 | 0.026 | 1525. | 10.5 |
| 12 | 12.1 | 21.037 | 35.480 | 5.26 | 0.20 | 24.851 | 0.032 | 1525. | 10.2 |
| 14 | 13.9 | 21.002 | 35.494 | 5.32 | 0.21 | 24.871 | 0.038 | 1525. | 9.6 |
| 16 | 16.0 | 20.839 | 35.497 | 5.38 | 0.21 | 24.918 | 0.045 | 1525. | 9.4 |
| 18 | 18.0 | 20.798 | 35.500 | 5.41 | 0.22 | 24.931 | 0.051 | 1525. | 9.8 |
| 20 | 20.0 | 20.700 | 35.515 | 5.44 | 0.22 | 24.969 | 0.056 | 1524. | 10.6 |
| 22 | 22.1 | 20.369 | 35.535 | 5.45 | 0.22 | 25.073 | 0.063 | 1523. | 11.0 |
| 24 | 23.9 | 19.833 | 35.559 | 5.54 | 0.23 | 25.233 | 0.068 | 1522. | 11.0 |
| 26 | 26.0 | 19.450 | 35.565 | 5.58 | 0.23 | 25.338 | 0.073 | 1521. | 10.6 |
| 28 | 28.1 | 19.289 | 35.570 | 5.62 | 0.23 | 25.384 | 0.079 | 1521. | 9.7 |
| 30 | 29.9 | 19.201 | 35.571 | 5.62 | 0.24 | 25.407 | 0.084 | 1520. | 8.9 |
| 32 | 32.1 | 19.100 | 35.574 | 5.62 | 0.24 | 25.435 | 0.089 | 1520. | 8.6 |
| 34 | 34.0 | 19.070 | 35.574 | 5.60 | 0.24 | 25.444 | 0.094 | 1520. | 8.8 |
| 36 | 36.0 | 18.972 | 35.570 | 5.53 | 0.24 | 25.465 | 0.099 | 1520. | 9.1 |
| 38 | 38.0 | 18.566 | 35.589 | 5.54 | 0.26 | 25.583 | 0.104 | 1519. | 9.5 |
| 40 | 40.0 | 18.165 | 35.607 | 5.55 | 0.26 | 25.697 | 0.109 | 1518. | 10.0 |
| 42 | 42.0 | 18.044 | 35.616 | 5.50 | 0.26 | 25.734 | 0.113 | 1517. | 10.4 |
| 44 | 43.9 | 17.971 | 35.612 | 5.37 | 0.25 | 25.749 | 0.118 | 1517. | 10.4 |
| 46 | 46.0 | 17.640 | 35.600 | 5.32 | 0.23 | 25.822 | 0.122 | 1516. | 10.1 |
| 48 | 48.1 | 17.144 | 35.579 | 5.29 | 0.22 | 25.925 | 0.127 | 1515. | 9.9 |
| 50 | 49.9 | 16.859 | 35.568 | 5.19 | 0.20 | 25.985 | 0.130 | 1514. | 9.8 |
| 52 | 52.0 | 16.092 | 35.430 | 5.19 | 0.18 | 26.058 | 0.135 | 1511. | 9.6 |
| 54 | 54.0 | 15.168 | 35.236 | 5.25 | 0.17 | 26.117 | 0.139 | 1508. | 9.3 |
| 56 | 56.0 | 14.706 | 35.145 | 5.21 | 0.17 | 26.149 | 0.142 | 1507. | 8.7 |
| 58 | 58.1 | 14.414 | 35.082 | 5.11 | 0.16 | 26.163 | 0.146 | 1506. | 8.2 |
| 60 | 60.0 | 14.036 | 35.043 | 5.08 | 0.15 | 26.214 | 0.150 | 1505. | 7.8 |
| 62 | 62.0 | 13.907 | 35.121 | 5.05 | 0.15 | 26.301 | 0.153 | 1504. | 7.5 |
| 63 | 63.9 | 13.959 | 35.149 | 4.98 | 0.15 | 26.311 | 0.156 | 1505. | 7.3 |
| 65 | 66.0 | 14.067 | 35.192 | 4.89 | 0.15 | 26.322 | 0.160 | 1505. | 7.0 |
| 68 | 68.1 | 13.953 | 35.205 | 4.86 | 0.15 | 26.356 | 0.164 | 1505. | 6.1 |
| 69 | 70.0 | 13.848 | 35.221 | 4.84 | 0.14 | 26.390 | 0.167 | 1504. | 5.2 |
| 71 | 72.0 | 13.843 | 35.249 | 4.82 | 0.14 | 26.413 | 0.170 | 1504. | 4.8 |
| 73 | 74.0 | 13.850 | 35.253 | 4.81 | 0.14 | 26.415 | 0.173 | 1504. | 4.2 |
| 75 | 75.9 | 13.828 | 35.249 | 4.80 | 0.14 | 26.416 | 0.176 | 1504. | 3.3 |
| 77 | 78.0 | 13.824 | 35.247 | 4.79 | 0.15 | 26.416 | 0.180 | 1504. | 2.8 |
| 79 | 80.0 | 13.778 | 35.241 | 4.78 | 0.14 | 26.421 | 0.183 | 1504. | 2.6 |
| 81 | 82.0 | 13.760 | 35.246 | 4.78 | 0.14 | 26.428 | 0.186 | 1504. | 2.8 |
| 83 | 84.0 | 13.767 | 35.249 | 4.76 | 0.15 | 26.429 | 0.189 | 1504. | 2.9 |
| 85 | 86.0 | 13.745 | 35.259 | 4.76 | 0.15 | 26.442 | 0.193 | 1504. | 2.9 |
| 87 | 88.0 | 13.745 | 35.266 | 4.76 | 0.15 | 26.447 | 0.196 | 1504. | 2.8 |
| 89 | 90.0 | 13.647 | 35.244 | 4.75 | 0.15 | 26.450 | 0.199 | 1504. | 2.6 |
| 91 | 91.2 | 13.656 | 35.248 | 4.73 | 0.16 | 26.451 | 0.201 | 1504. | 2.2 |
| 91 | 92.0 | 13.637 | 35.241 | 4.73 | 0.16 | 26.450 | 0.202 | 1504. | 0.8 |
| 92 | 93.0 | 13.598 | 35.231 | 4.74 | 0.16 | 26.450 | 0.204 | 1504. | 2.1 |
| 93 | 94.0 | 13.579 | 35.226 | 4.73 | 0.16 | 26.450 | 0.205 | 1504. | 2.8 |
| 94 | 95.0 | 13.550 | 35.214 | 4.69 | 0.17 | 26.447 | 0.207 | 1504. | 3.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 60 | 14 JUL 1982 | 0620 | 40°30.7'N | 68°14.9'W | 101 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 95 | 96.0 | 13.428 | 35.175 | 4.68 | 0.18 | 26.442 | 0.209 | 1503. | 3.8 |
| 96 | 97.0 | 13.158 | 35.147 | 4.70 | 0.19 | 26.476 | 0.210 | 1502. | 3.8 |
| 97 | 98.0 | 13.154 | 35.142 | 4.67 | 0.20 | 26.473 | 0.212 | 1502. | 3.8 |
| 98 | 99.0 | 13.133 | 35.143 | 4.64 | 0.20 | 26.477 | 0.213 | 1502. | 3.8 |
| 99 | 100.0 | 13.113 | 35.140 | 4.64 | 0.20 | 26.479 | 0.215 | 1502. | 3.8 |

STA 61 DAY: 14 TIME: 0757

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 22.4 | 30.2 | 19.3 | 54.4 | 16.6 | 71.9 | 13.8 | 101.8 | 13.1 |
| 0.0 | 22.3 | 30.2 | 19.3 | 54.4 | 16.6 | 71.9 | 13.8 | 102.8 | 13.1 |
| 1.0 | 22.3 | 31.1 | 19.2 | 55.4 | 16.5 | 73.8 | 13.7 | 103.7 | 13.2 |
| 1.9 | 22.3 | 31.1 | 19.1 | 55.4 | 16.5 | 74.8 | 13.7 | 104.7 | 13.1 |
| 3.9 | 22.3 | 32.1 | 19.1 | 55.4 | 16.4 | 74.8 | 13.8 | 105.6 | 13.1 |
| 4.9 | 22.3 | 33.1 | 19.1 | 56.4 | 16.3 | 74.8 | 13.9 | 106.6 | 13.1 |
| 6.8 | 22.2 | 34.1 | 19.0 | 56.4 | 16.3 | 75.7 | 13.9 | 108.5 | 13.1 |
| 7.8 | 22.2 | 34.1 | 18.9 | 56.4 | 16.2 | 75.7 | 14.0 | 109.5 | 13.1 |
| 7.8 | 22.1 | 35.0 | 18.8 | 57.3 | 16.1 | 75.7 | 14.1 | 110.5 | 13.0 |
| 7.8 | 22.1 | 36.0 | 18.8 | 57.3 | 16.0 | 75.7 | 14.1 | 111.4 | 13.0 |
| 8.8 | 22.0 | 37.0 | 18.8 | 57.3 | 15.9 | 75.7 | 14.2 | 112.4 | 13.0 |
| 9.7 | 21.9 | 37.9 | 18.8 | 57.3 | 15.8 | 75.7 | 14.3 | 113.4 | 13.0 |
| 10.7 | 21.8 | 37.9 | 18.7 | 57.3 | 15.8 | 76.7 | 14.3 | 114.3 | 13.0 |
| 10.7 | 21.8 | 37.9 | 18.7 | 58.3 | 15.7 | 76.7 | 14.4 | 115.3 | 12.9 |
| 11.7 | 21.7 | 38.9 | 18.6 | 58.3 | 15.6 | 76.7 | 14.4 | 116.2 | 12.9 |
| 11.7 | 21.5 | 38.9 | 18.6 | 58.3 | 15.6 | 76.7 | 14.3 | | |
| 12.7 | 21.4 | 38.9 | 18.5 | 59.3 | 15.6 | 77.7 | 14.2 | | |
| 12.7 | 21.4 | 39.9 | 18.3 | 59.3 | 15.5 | 77.7 | 14.1 | | |
| 13.6 | 21.4 | 39.9 | 18.3 | 60.2 | 15.4 | 77.7 | 14.1 | | |
| 14.6 | 21.3 | 40.9 | 18.2 | 60.2 | 15.2 | 78.6 | 14.0 | | |
| 15.6 | 21.3 | 40.9 | 18.1 | 61.2 | 15.0 | 78.6 | 14.0 | | |
| 16.6 | 21.2 | 40.9 | 18.1 | 61.2 | 14.9 | 78.6 | 13.9 | | |
| 17.5 | 21.2 | 41.8 | 18.0 | 61.2 | 14.8 | 78.6 | 13.9 | | |
| 19.5 | 21.1 | 41.8 | 17.9 | 62.2 | 14.7 | 79.6 | 13.8 | | |
| 20.4 | 21.1 | 42.8 | 17.9 | 62.2 | 14.6 | 79.6 | 13.8 | | |
| 20.4 | 21.0 | 42.8 | 17.8 | 62.2 | 14.6 | 79.6 | 13.8 | | |
| 20.4 | 20.9 | 42.8 | 17.8 | 63.1 | 14.5 | 80.6 | 13.7 | | |
| 21.4 | 20.8 | 43.8 | 17.8 | 63.1 | 14.4 | 80.6 | 13.7 | | |
| 21.4 | 20.7 | 43.8 | 17.7 | 63.1 | 14.4 | 80.6 | 13.6 | | |
| 21.4 | 20.6 | 44.7 | 17.6 | 64.1 | 14.4 | 80.6 | 13.6 | | |
| 21.4 | 20.6 | 45.7 | 17.6 | 65.1 | 14.5 | 81.5 | 13.6 | | |
| 22.4 | 20.4 | 45.7 | 17.6 | 65.1 | 14.6 | 83.5 | 13.6 | | |
| 22.4 | 20.3 | 45.7 | 17.5 | 65.1 | 14.7 | 85.4 | 13.6 | | |
| 22.4 | 20.3 | 46.7 | 17.5 | 65.1 | 14.8 | 87.3 | 13.6 | | |
| 22.4 | 20.2 | 47.6 | 17.4 | 65.1 | 14.7 | 89.2 | 13.5 | | |
| 22.4 | 20.2 | 47.6 | 17.3 | 66.0 | 14.7 | 90.2 | 13.5 | | |
| 23.4 | 20.1 | 47.6 | 17.2 | 66.0 | 14.6 | 91.2 | 13.5 | | |
| 23.4 | 20.1 | 48.6 | 17.1 | 66.0 | 14.6 | 92.1 | 13.5 | | |
| 24.3 | 20.0 | 48.6 | 17.1 | 67.0 | 14.6 | 92.1 | 13.4 | | |
| 24.3 | 19.9 | 48.6 | 17.0 | 68.0 | 14.5 | 93.1 | 13.4 | | |
| 25.3 | 19.8 | 49.6 | 17.0 | 68.0 | 14.5 | 94.1 | 13.4 | | |
| 26.3 | 19.8 | 49.6 | 17.0 | 68.0 | 14.4 | 94.1 | 13.3 | | |
| 26.3 | 19.8 | 50.6 | 16.9 | 68.0 | 14.3 | 94.1 | 13.3 | | |
| 26.3 | 19.7 | 51.5 | 16.9 | 68.0 | 14.2 | 95.0 | 13.2 | | |
| 27.3 | 19.7 | 51.5 | 16.8 | 69.0 | 14.1 | 96.0 | 13.2 | | |
| 28.2 | 19.7 | 51.5 | 16.8 | 69.0 | 14.0 | 97.9 | 13.2 | | |
| 29.2 | 19.6 | 52.5 | 16.7 | 69.0 | 13.9 | 98.9 | 13.2 | | |
| 29.2 | 19.5 | 52.5 | 16.7 | 69.9 | 13.9 | 99.9 | 13.1 | | |
| 29.2 | 19.5 | 52.5 | 16.6 | 69.9 | 13.9 | 100.8 | 13.1 | | |
| 30.2 | 19.4 | 53.5 | 16.6 | 70.9 | 13.8 | 101.8 | 13.1 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 62 | 14 JUL 1982 | 0707 | 40°30.0'N | 68°11.1'W | 130 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 2.8 | 22.172 | 35.138 | 5.04 | 0.19 | 24.276 | 0.000 | 1527. | 11.1 |
| 4 | 4.0 | 22.130 | 35.131 | 5.14 | 0.20 | 24.283 | 0.004 | 1527. | 11.1 |
| 6 | 6.0 | 22.084 | 35.122 | 5.10 | 0.20 | 24.288 | 0.012 | 1527. | 11.1 |
| 8 | 8.0 | 21.995 | 35.105 | 5.20 | 0.21 | 24.301 | 0.019 | 1527. | 11.1 |
| 10 | 10.0 | 21.386 | 35.053 | 5.32 | 0.22 | 24.430 | 0.026 | 1525. | 11.1 |
| 12 | 12.0 | 21.237 | 35.223 | 5.32 | 0.22 | 24.600 | 0.033 | 1525. | 11.4 |
| 14 | 14.0 | 21.259 | 35.310 | 5.32 | 0.21 | 24.660 | 0.040 | 1525. | 11.4 |
| 16 | 15.9 | 21.186 | 35.387 | 5.35 | 0.21 | 24.739 | 0.046 | 1525. | 10.9 |
| 18 | 18.0 | 21.112 | 35.441 | 5.37 | 0.21 | 24.801 | 0.052 | 1525. | 10.3 |
| 20 | 20.0 | 20.998 | 35.478 | 5.37 | 0.21 | 24.860 | 0.059 | 1525. | 10.3 |
| 22 | 22.1 | 20.969 | 35.502 | 5.38 | 0.21 | 24.886 | 0.065 | 1525. | 10.8 |
| 24 | 24.0 | 20.878 | 35.527 | 5.41 | 0.22 | 24.930 | 0.071 | 1525. | 11.2 |
| 26 | 26.0 | 20.500 | 35.548 | 5.45 | 0.22 | 25.048 | 0.077 | 1524. | 11.5 |
| 28 | 28.1 | 20.008 | 35.566 | 5.51 | 0.23 | 25.192 | 0.083 | 1523. | 11.5 |
| 30 | 30.0 | 19.651 | 35.579 | 5.55 | 0.23 | 25.296 | 0.088 | 1522. | 11.4 |
| 32 | 32.1 | 19.413 | 35.585 | 5.57 | 0.24 | 25.363 | 0.093 | 1521. | 10.8 |
| 34 | 33.9 | 19.303 | 35.590 | 5.59 | 0.24 | 25.395 | 0.098 | 1521. | 10.1 |
| 36 | 36.0 | 19.113 | 35.593 | 5.60 | 0.24 | 25.447 | 0.104 | 1520. | 9.4 |
| 38 | 37.9 | 18.899 | 35.596 | 5.61 | 0.25 | 25.504 | 0.108 | 1520. | 9.3 |
| 40 | 40.0 | 18.699 | 35.591 | 5.59 | 0.25 | 25.550 | 0.113 | 1519. | 9.2 |
| 42 | 42.0 | 18.365 | 35.578 | 5.60 | 0.27 | 25.625 | 0.118 | 1518. | 9.2 |
| 44 | 44.0 | 18.141 | 35.560 | 5.58 | 0.29 | 25.667 | 0.123 | 1518. | 9.1 |
| 46 | 46.0 | 17.834 | 35.560 | 5.59 | 0.29 | 25.743 | 0.128 | 1517. | 9.1 |
| 48 | 48.0 | 17.744 | 35.567 | 5.52 | 0.28 | 25.770 | 0.132 | 1516. | 9.2 |
| 50 | 50.0 | 17.606 | 35.563 | 5.44 | 0.28 | 25.801 | 0.137 | 1516. | 9.1 |
| 52 | 52.0 | 17.396 | 35.585 | 5.38 | 0.25 | 25.869 | 0.141 | 1516. | 9.2 |
| 54 | 53.9 | 17.047 | 35.564 | 5.33 | 0.23 | 25.937 | 0.145 | 1515. | 9.2 |
| 56 | 56.0 | 16.801 | 35.568 | 5.25 | 0.21 | 25.998 | 0.149 | 1514. | 9.4 |
| 58 | 58.0 | 16.627 | 35.570 | 5.18 | 0.20 | 26.041 | 0.153 | 1513. | 9.5 |
| 60 | 60.1 | 16.397 | 35.574 | 5.11 | 0.19 | 26.098 | 0.157 | 1513. | 9.3 |
| 61 | 61.9 | 16.129 | 35.554 | 4.97 | 0.18 | 26.145 | 0.161 | 1512. | 8.8 |
| 63 | 64.0 | 15.866 | 35.549 | 4.89 | 0.17 | 26.202 | 0.164 | 1511. | 8.7 |
| 66 | 66.1 | 15.594 | 35.567 | 4.86 | 0.15 | 26.278 | 0.168 | 1510. | 8.6 |
| 67 | 68.0 | 15.432 | 35.560 | 4.81 | 0.14 | 26.309 | 0.171 | 1510. | 8.1 |
| 69 | 70.0 | 15.201 | 35.469 | 4.74 | 0.14 | 26.289 | 0.175 | 1509. | 7.6 |
| 71 | 72.0 | 14.281 | 35.337 | 4.83 | 0.14 | 26.389 | 0.178 | 1506. | 7.2 |
| 73 | 74.0 | 14.108 | 35.319 | 4.83 | 0.14 | 26.412 | 0.182 | 1505. | 6.7 |
| 75 | 76.0 | 14.132 | 35.336 | 4.81 | 0.14 | 26.420 | 0.185 | 1506. | 6.5 |
| 77 | 77.9 | 14.419 | 35.442 | 4.72 | 0.13 | 26.441 | 0.188 | 1507. | 6.1 |
| 79 | 80.1 | 14.184 | 35.436 | 4.74 | 0.13 | 26.486 | 0.191 | 1506. | 5.2 |
| 81 | 82.1 | 14.266 | 35.465 | 4.72 | 0.13 | 26.490 | 0.195 | 1506. | 4.9 |
| 83 | 84.0 | 14.383 | 35.507 | 4.67 | 0.13 | 26.498 | 0.197 | 1507. | 4.6 |
| 85 | 86.1 | 14.231 | 35.478 | 4.66 | 0.13 | 26.508 | 0.201 | 1506. | 4.1 |
| 87 | 87.9 | 14.047 | 35.443 | 4.66 | 0.13 | 26.520 | 0.204 | 1506. | 3.6 |
| 89 | 90.1 | 13.966 | 35.433 | 4.66 | 0.13 | 26.529 | 0.207 | 1505. | 3.7 |
| 91 | 91.9 | 13.928 | 35.428 | 4.66 | 0.13 | 26.534 | 0.210 | 1505. | 3.8 |
| 93 | 94.0 | 13.800 | 35.391 | 4.65 | 0.14 | 26.532 | 0.213 | 1505. | 3.7 |
| 95 | 96.0 | 13.656 | 35.373 | 4.65 | 0.14 | 26.548 | 0.216 | 1504. | 3.7 |
| 97 | 98.1 | 13.681 | 35.401 | 4.63 | 0.14 | 26.565 | 0.219 | 1505. | 4.1 |
| 99 | 100.0 | 13.637 | 35.400 | 4.62 | 0.14 | 26.573 | 0.222 | 1504. | 4.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 62 | 14 JUL 1982 | 0707 | 40°30.0'N | 68°11.1'W | 130 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 13.693 | 35.421 | 4.57 | 0.14 | 26.577 | 0.225 | 1505. | 4.5 |
| 1C3 | 104.1 | 13.528 | 35.389 | 4.55 | 0.15 | 26.587 | 0.228 | 1504. | 4.4 |
| 1C5 | 105.9 | 13.192 | 35.340 | 4.58 | 0.15 | 26.618 | 0.230 | 1503. | 4.3 |
| 107 | 108.0 | 13.108 | 35.328 | 4.58 | 0.16 | 26.626 | 0.233 | 1503. | 4.3 |
| 109 | 110.1 | 13.078 | 35.332 | 4.59 | 0.16 | 26.635 | 0.236 | 1503. | 4.2 |
| 110 | 111.2 | 13.072 | 35.332 | 4.58 | 0.16 | 26.636 | 0.238 | 1503. | 3.7 |
| 111 | 112.0 | 13.062 | 35.330 | 4.56 | 0.16 | 26.637 | 0.239 | 1503. | 2.9 |
| 112 | 113.0 | 13.043 | 35.327 | 4.55 | 0.16 | 26.639 | 0.241 | 1503. | 2.9 |
| 113 | 114.0 | 13.028 | 35.327 | 4.55 | 0.16 | 26.641 | 0.242 | 1503. | 3.2 |
| 114 | 115.0 | 13.009 | 35.325 | 4.55 | 0.16 | 26.643 | 0.243 | 1502. | 3.8 |
| 115 | 116.0 | 12.990 | 35.326 | 4.54 | 0.16 | 26.648 | 0.245 | 1502. | 4.0 |
| 116 | 116.9 | 12.972 | 35.327 | 4.51 | 0.16 | 26.653 | 0.246 | 1502. | 4.3 |
| 117 | 118.0 | 12.908 | 35.322 | 4.50 | 0.16 | 26.661 | 0.248 | 1502. | 4.2 |
| 118 | 119.0 | 12.847 | 35.322 | 4.49 | 0.16 | 26.674 | 0.249 | 1502. | 4.2 |
| 119 | 120.0 | 12.836 | 35.319 | 4.48 | 0.16 | 26.674 | 0.250 | 1502. | 4.4 |
| 120 | 121.0 | 12.799 | 35.319 | 4.45 | 0.16 | 26.681 | 0.252 | 1502. | 4.4 |
| 121 | 122.0 | 12.802 | 35.315 | 4.39 | 0.17 | 26.677 | 0.253 | 1502. | 4.6 |
| 122 | 123.0 | 12.753 | 35.312 | 4.36 | 0.17 | 26.685 | 0.255 | 1502. | 4.6 |
| 123 | 124.0 | 12.682 | 35.318 | 4.34 | 0.17 | 26.704 | 0.256 | 1502. | 4.6 |
| 124 | 125.0 | 12.663 | 35.316 | 4.39 | 0.17 | 26.706 | 0.257 | 1502. | 4.6 |
| 125 | 126.0 | 12.610 | 35.321 | 4.38 | 0.17 | 26.720 | 0.259 | 1501. | 4.6 |

STA 63 DAY: 14 TIME: 0825

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 1.0 | 22.1 | 38.9 | 19.2 | 72.8 | 15.4 | 103.7 | 13.2 | 153.7 | 11.6 |
| 1.9 | 22.1 | 39.9 | 19.2 | 73.8 | 15.3 | 104.7 | 13.1 | 155.6 | 11.6 |
| 2.9 | 22.0 | 41.8 | 19.0 | 73.8 | 15.2 | 106.6 | 13.1 | 156.6 | 11.6 |
| 3.9 | 22.0 | 41.8 | 19.0 | 74.8 | 15.1 | 106.6 | 13.1 | 159.4 | 11.6 |
| 5.8 | 22.0 | 42.8 | 19.0 | 74.8 | 15.0 | 107.6 | 13.0 | 161.4 | 11.6 |
| 6.8 | 22.0 | 43.8 | 18.8 | 75.7 | 14.8 | 108.5 | 13.0 | 163.3 | 11.6 |
| 7.8 | 22.0 | 44.7 | 18.7 | 75.7 | 14.7 | 108.5 | 13.0 | 165.2 | 11.6 |
| 8.8 | 21.9 | 44.7 | 18.6 | 75.7 | 14.7 | 110.5 | 13.0 | 167.1 | 11.6 |
| 9.7 | 21.9 | 45.7 | 18.5 | 75.7 | 14.6 | 111.4 | 13.0 | 169.0 | 11.6 |
| 10.7 | 21.9 | 46.7 | 18.5 | 76.7 | 14.6 | 113.4 | 13.0 | 170.0 | 11.5 |
| 10.7 | 21.8 | 47.6 | 18.4 | 78.6 | 14.6 | 114.3 | 12.9 | 171.9 | 11.5 |
| 10.7 | 21.7 | 47.6 | 18.3 | 79.6 | 14.6 | 115.3 | 12.9 | | |
| 10.7 | 21.6 | 49.6 | 18.3 | 80.6 | 14.6 | 116.2 | 12.9 | | |
| 11.7 | 21.5 | 49.6 | 18.2 | 80.6 | 14.5 | 116.2 | 12.9 | | |
| 11.7 | 21.4 | 50.6 | 18.1 | 81.5 | 14.5 | 117.2 | 12.8 | | |
| 11.7 | 21.3 | 51.5 | 18.0 | 82.5 | 14.5 | 119.1 | 12.8 | | |
| 11.7 | 21.3 | 51.5 | 18.0 | 82.5 | 14.4 | 120.1 | 12.8 | | |
| 12.7 | 21.2 | 52.5 | 17.9 | 83.5 | 14.4 | 121.1 | 12.7 | | |
| 12.7 | 21.2 | 52.5 | 17.8 | 84.4 | 14.4 | 121.1 | 12.7 | | |
| 14.6 | 21.2 | 52.5 | 17.7 | 85.4 | 14.5 | 121.1 | 12.6 | | |
| 15.6 | 21.2 | 52.5 | 17.7 | 86.4 | 14.5 | 122.0 | 12.5 | | |
| 16.6 | 21.2 | 52.5 | 17.6 | 87.3 | 14.5 | 122.0 | 12.5 | | |
| 16.6 | 21.1 | 53.5 | 17.5 | 87.3 | 14.4 | 122.0 | 12.4 | | |
| 18.5 | 21.1 | 53.5 | 17.5 | 88.3 | 14.3 | 123.0 | 12.3 | | |
| 19.5 | 21.1 | 54.4 | 17.5 | 89.2 | 14.2 | 123.0 | 12.3 | | |
| 20.4 | 21.1 | 54.4 | 17.4 | 89.2 | 14.1 | 123.9 | 12.1 | | |
| 20.4 | 21.0 | 55.4 | 17.3 | 89.2 | 14.0 | 123.9 | 12.1 | | |
| 23.4 | 21.0 | 56.4 | 17.3 | 89.2 | 14.0 | 124.9 | 12.0 | | |
| 25.3 | 20.9 | 57.3 | 17.3 | 90.2 | 13.9 | 124.9 | 12.0 | | |
| 26.3 | 20.8 | 59.3 | 17.3 | 90.2 | 13.8 | 126.8 | 12.0 | | |
| 26.3 | 20.7 | 60.2 | 17.3 | 90.2 | 13.8 | 128.7 | 11.9 | | |
| 26.3 | 20.6 | 60.2 | 17.1 | 91.2 | 13.8 | 129.7 | 11.9 | | |
| 27.3 | 20.5 | 60.2 | 17.1 | 91.2 | 13.7 | 131.6 | 11.9 | | |
| 28.2 | 20.4 | 60.2 | 16.9 | 91.2 | 13.7 | 133.5 | 11.9 | | |
| 29.2 | 20.4 | 61.2 | 16.8 | 91.2 | 13.6 | 133.5 | 11.9 | | |
| 30.2 | 20.3 | 62.2 | 16.6 | 93.1 | 13.6 | 134.5 | 11.8 | | |
| 30.2 | 20.3 | 62.2 | 16.5 | 93.1 | 13.6 | 134.5 | 11.8 | | |
| 30.2 | 20.2 | 63.1 | 16.4 | 94.1 | 13.6 | 134.5 | 11.7 | | |
| 30.2 | 20.1 | 64.1 | 16.3 | 95.0 | 13.5 | 135.5 | 11.7 | | |
| 31.1 | 20.0 | 65.1 | 16.2 | 95.0 | 13.5 | 138.3 | 11.7 | | |
| 33.1 | 20.0 | 66.0 | 16.1 | 96.0 | 13.5 | 139.3 | 11.7 | | |
| 33.1 | 20.0 | 67.0 | 16.0 | 97.0 | 13.5 | 141.2 | 11.7 | | |
| 34.1 | 19.9 | 67.0 | 15.9 | 97.9 | 13.5 | 142.2 | 11.6 | | |
| 34.1 | 19.8 | 68.0 | 15.8 | 98.9 | 13.5 | 144.1 | 11.6 | | |
| 35.0 | 19.7 | 68.0 | 15.7 | 99.9 | 13.5 | 146.0 | 11.6 | | |
| 35.0 | 19.6 | 69.0 | 15.7 | 100.8 | 13.4 | 147.0 | 11.6 | | |
| 35.0 | 19.6 | 69.9 | 15.7 | 101.8 | 13.4 | 148.9 | 11.6 | | |
| 37.0 | 19.5 | 70.9 | 15.6 | 101.8 | 13.3 | 150.8 | 11.6 | | |
| 37.9 | 19.4 | 71.9 | 15.5 | 102.8 | 13.2 | 151.8 | 11.6 | | |
| 37.9 | 19.3 | 71.9 | 15.5 | 102.8 | 13.2 | 152.7 | 11.6 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 64 | 14 JUL 1982 | 0728 | 40°29.4'N | 68°11.1'W | 201 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.9 | 22.032 | 35.098 | 4.97 | 0.20 | 24.285 | 0.000 | 1527. | 11.3 |
| 2 | 1.8 | 22.012 | 35.090 | 5.15 | 0.20 | 24.284 | 0.003 | 1527. | 11.3 |
| 4 | 4.0 | 21.939 | 35.082 | 5.26 | 0.20 | 24.298 | 0.011 | 1527. | 11.3 |
| 6 | 6.0 | 21.806 | 35.060 | 5.28 | 0.21 | 24.319 | 0.018 | 1527. | 11.3 |
| 8 | 8.0 | 21.481 | 35.033 | 5.31 | 0.22 | 24.389 | 0.026 | 1526. | 11.3 |
| 10 | 10.0 | 21.210 | 35.060 | 5.37 | 0.23 | 24.484 | 0.032 | 1525. | 11.7 |
| 12 | 12.0 | 21.182 | 35.297 | 5.39 | 0.22 | 24.672 | 0.039 | 1525. | 11.8 |
| 14 | 14.0 | 21.125 | 35.431 | 5.38 | 0.21 | 24.789 | 0.045 | 1525. | 11.7 |
| 16 | 16.0 | 20.999 | 35.458 | 5.42 | 0.21 | 24.844 | 0.052 | 1525. | 11.3 |
| 18 | 17.9 | 20.933 | 35.474 | 5.45 | 0.22 | 24.874 | 0.058 | 1525. | 10.7 |
| 20 | 20.1 | 20.892 | 35.494 | 5.46 | 0.22 | 24.901 | 0.064 | 1525. | 10.1 |
| 22 | 21.9 | 20.643 | 35.515 | 5.50 | 0.22 | 24.985 | 0.070 | 1524. | 10.3 |
| 24 | 24.1 | 20.344 | 35.542 | 5.53 | 0.23 | 25.085 | 0.076 | 1523. | 10.6 |
| 26 | 26.0 | 20.129 | 35.551 | 5.55 | 0.23 | 25.149 | 0.082 | 1523. | 10.7 |
| 28 | 28.0 | 19.910 | 35.562 | 5.54 | 0.23 | 25.215 | 0.087 | 1522. | 10.7 |
| 30 | 30.0 | 19.508 | 35.582 | 5.65 | 0.24 | 25.336 | 0.093 | 1521. | 10.2 |
| 32 | 31.9 | 19.399 | 35.582 | 5.66 | 0.24 | 25.364 | 0.098 | 1521. | 9.7 |
| 34 | 34.1 | 19.220 | 35.580 | 5.63 | 0.24 | 25.410 | 0.103 | 1520. | 9.4 |
| 36 | 36.0 | 18.999 | 35.593 | 5.69 | 0.25 | 25.476 | 0.108 | 1520. | 9.0 |
| 38 | 38.0 | 18.857 | 35.595 | 5.68 | 0.25 | 25.514 | 0.113 | 1520. | 9.4 |
| 40 | 40.1 | 18.684 | 35.586 | 5.65 | 0.25 | 25.551 | 0.118 | 1519. | 10.0 |
| 42 | 42.0 | 18.401 | 35.576 | 5.60 | 0.26 | 25.615 | 0.123 | 1518. | 10.2 |
| 44 | 44.0 | 18.128 | 35.536 | 5.52 | 0.28 | 25.652 | 0.128 | 1517. | 10.3 |
| 46 | 46.0 | 17.431 | 35.550 | 5.57 | 0.28 | 25.834 | 0.132 | 1515. | 10.3 |
| 48 | 48.1 | 17.231 | 35.554 | 5.54 | 0.26 | 25.885 | 0.137 | 1515. | 10.2 |
| 50 | 50.0 | 17.185 | 35.552 | 5.46 | 0.25 | 25.895 | 0.141 | 1515. | 9.6 |
| 52 | 52.1 | 16.880 | 35.559 | 5.43 | 0.23 | 25.973 | 0.145 | 1514. | 9.0 |
| 53 | 53.9 | 16.712 | 35.548 | 5.37 | 0.22 | 26.005 | 0.149 | 1513. | 8.3 |
| 56 | 56.0 | 16.496 | 35.549 | 5.30 | 0.21 | 26.056 | 0.153 | 1513. | 8.5 |
| 58 | 58.0 | 16.377 | 35.542 | 5.18 | 0.20 | 26.078 | 0.157 | 1513. | 8.7 |
| 60 | 60.1 | 16.174 | 35.536 | 5.09 | 0.20 | 26.120 | 0.161 | 1512. | 8.4 |
| 61 | 61.8 | 15.918 | 35.551 | 5.02 | 0.18 | 26.191 | 0.164 | 1511. | 8.1 |
| 64 | 64.1 | 15.692 | 35.561 | 4.95 | 0.16 | 26.250 | 0.168 | 1511. | 8.2 |
| 65 | 66.0 | 15.566 | 35.569 | 4.90 | 0.15 | 26.285 | 0.171 | 1510. | 8.1 |
| 68 | 68.1 | 15.445 | 35.554 | 4.84 | 0.15 | 26.301 | 0.175 | 1510. | 7.8 |
| 69 | 70.0 | 15.173 | 35.490 | 4.81 | 0.14 | 26.312 | 0.178 | 1509. | 7.2 |
| 71 | 72.0 | 14.737 | 35.482 | 4.85 | 0.13 | 26.402 | 0.182 | 1508. | 6.7 |
| 73 | 74.0 | 14.705 | 35.494 | 4.82 | 0.13 | 26.418 | 0.185 | 1508. | 6.3 |
| 75 | 76.0 | 14.620 | 35.499 | 4.82 | 0.13 | 26.441 | 0.188 | 1507. | 5.8 |
| 77 | 78.1 | 14.608 | 35.507 | 4.81 | 0.13 | 26.450 | 0.191 | 1507. | 5.2 |
| 79 | 80.0 | 14.621 | 35.520 | 4.77 | 0.13 | 26.456 | 0.195 | 1507. | 4.8 |
| 82 | 82.2 | 14.641 | 35.533 | 4.73 | 0.13 | 26.463 | 0.198 | 1508. | 5.0 |
| 83 | 83.9 | 14.501 | 35.503 | 4.70 | 0.13 | 26.470 | 0.201 | 1507. | 5.3 |
| 85 | 86.0 | 14.211 | 35.453 | 4.71 | 0.13 | 26.493 | 0.204 | 1506. | 5.5 |
| 87 | 87.9 | 13.995 | 35.459 | 4.71 | 0.13 | 26.544 | 0.207 | 1505. | 5.7 |
| 89 | 90.1 | 14.038 | 35.479 | 4.66 | 0.13 | 26.550 | 0.210 | 1506. | 5.7 |
| 91 | 91.9 | 13.833 | 35.457 | 4.67 | 0.13 | 26.577 | 0.213 | 1505. | 5.5 |
| 93 | 94.1 | 13.725 | 35.434 | 4.64 | 0.14 | 26.581 | 0.216 | 1505. | 5.1 |
| 95 | 95.9 | 13.518 | 35.408 | 4.65 | 0.14 | 26.604 | 0.219 | 1504. | 4.7 |
| 97 | 98.1 | 13.460 | 35.400 | 4.63 | 0.14 | 26.610 | 0.222 | 1504. | 4.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 64 | 14 JUL 1982 | 0728 | 40°29.4'N | 68°11.1'W | 201 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 13.359 | 35.393 | 4.62 | 0.14 | 26.626 | 0.225 | 1503. | 4.3 |
| 101 | 102.0 | 13.256 | 35.387 | 4.62 | 0.14 | 26.642 | 0.227 | 1503. | 4.2 |
| 103 | 104.0 | 13.213 | 35.383 | 4.59 | 0.14 | 26.647 | 0.230 | 1503. | 3.9 |
| 105 | 106.0 | 13.093 | 35.367 | 4.59 | 0.14 | 26.659 | 0.233 | 1503. | 3.7 |
| 107 | 107.9 | 13.025 | 35.356 | 4.57 | 0.15 | 26.664 | 0.236 | 1502. | 3.5 |
| 109 | 110.0 | 12.934 | 35.343 | 4.57 | 0.15 | 26.673 | 0.239 | 1502. | 3.7 |
| 111 | 112.0 | 12.883 | 35.334 | 4.56 | 0.16 | 26.676 | 0.242 | 1502. | 3.9 |
| 113 | 113.9 | 12.833 | 35.325 | 4.51 | 0.16 | 26.679 | 0.244 | 1502. | 4.9 |
| 115 | 116.1 | 12.731 | 35.318 | 4.49 | 0.16 | 26.694 | 0.247 | 1502. | 6.1 |
| 117 | 117.9 | 12.615 | 35.323 | 4.45 | 0.17 | 26.721 | 0.250 | 1501. | 6.9 |
| 119 | 120.1 | 12.573 | 35.315 | 4.36 | 0.17 | 26.723 | 0.253 | 1501. | 7.5 |
| 121 | 121.9 | 12.266 | 35.352 | 4.32 | 0.17 | 26.812 | 0.255 | 1500. | 7.7 |
| 123 | 124.0 | 12.032 | 35.380 | 4.30 | 0.16 | 26.879 | 0.258 | 1499. | 7.7 |
| 125 | 126.2 | 11.963 | 35.387 | 4.27 | 0.16 | 26.898 | 0.260 | 1499. | 7.4 |
| 127 | 127.9 | 11.894 | 35.399 | 4.21 | 0.15 | 26.920 | 0.262 | 1499. | 6.8 |
| 129 | 130.1 | 11.837 | 35.421 | 4.17 | 0.15 | 26.948 | 0.265 | 1499. | 5.6 |
| 131 | 132.0 | 11.850 | 35.440 | 4.13 | 0.14 | 26.961 | 0.267 | 1499. | 4.6 |
| 133 | 134.0 | 11.892 | 35.470 | 4.10 | 0.12 | 26.976 | 0.269 | 1499. | 4.0 |
| 135 | 136.0 | 11.906 | 35.479 | 4.09 | 0.11 | 26.980 | 0.271 | 1499. | 3.3 |
| 137 | 138.0 | 11.906 | 35.481 | 4.08 | 0.12 | 26.981 | 0.273 | 1499. | 2.5 |
| 139 | 140.0 | 11.907 | 35.481 | 4.06 | 0.11 | 26.981 | 0.275 | 1499. | 2.1 |
| 141 | 141.9 | 11.901 | 35.481 | 4.05 | 0.11 | 26.983 | 0.278 | 1499. | 1.8 |
| 143 | 144.0 | 11.894 | 35.482 | 4.05 | 0.11 | 26.985 | 0.280 | 1499. | 1.9 |
| 145 | 146.0 | 11.873 | 35.479 | 4.06 | 0.11 | 26.986 | 0.282 | 1499. | 2.0 |
| 147 | 147.9 | 11.814 | 35.470 | 4.07 | 0.11 | 26.991 | 0.284 | 1499. | 2.0 |
| 149 | 150.0 | 11.771 | 35.466 | 4.08 | 0.12 | 26.995 | 0.287 | 1499. | 1.9 |
| 151 | 151.9 | 11.719 | 35.455 | 4.09 | 0.13 | 26.997 | 0.289 | 1499. | 1.8 |
| 153 | 154.1 | 11.689 | 35.450 | 4.09 | 0.13 | 26.999 | 0.291 | 1499. | 1.4 |
| 155 | 156.0 | 11.709 | 35.452 | 4.10 | 0.13 | 26.997 | 0.293 | 1499. | 1.5 |
| 157 | 158.0 | 11.674 | 35.448 | 4.10 | 0.13 | 27.000 | 0.295 | 1499. | 1.5 |
| 159 | 159.9 | 11.651 | 35.443 | 4.10 | 0.14 | 27.000 | 0.297 | 1499. | 1.7 |
| 161 | 162.0 | 11.656 | 35.437 | 4.10 | 0.14 | 26.995 | 0.300 | 1499. | 1.8 |
| 163 | 164.2 | 11.576 | 35.434 | 4.12 | 0.14 | 27.008 | 0.302 | 1499. | 1.8 |
| 165 | 165.9 | 11.559 | 35.431 | 4.11 | 0.14 | 27.009 | 0.304 | 1499. | 1.7 |
| 167 | 168.0 | 11.548 | 35.431 | 4.12 | 0.15 | 27.010 | 0.306 | 1499. | 1.6 |
| 169 | 170.0 | 11.546 | 35.431 | 4.12 | 0.14 | 27.011 | 0.308 | 1499. | 1.7 |
| 171 | 171.9 | 11.546 | 35.431 | 4.12 | 0.14 | 27.011 | 0.310 | 1499. | 1.5 |
| 173 | 174.1 | 11.546 | 35.431 | 4.12 | 0.14 | 27.011 | 0.313 | 1499. | 3.0 |
| 175 | 176.0 | 11.536 | 35.429 | 4.13 | 0.14 | 27.011 | 0.315 | 1499. | 3.6 |
| 177 | 178.0 | 11.495 | 35.426 | 4.14 | 0.15 | 27.016 | 0.317 | 1499. | 4.0 |
| 179 | 180.0 | 11.342 | 35.397 | 4.15 | 0.15 | 27.022 | 0.319 | 1498. | 4.4 |
| 180 | 181.3 | 11.079 | 35.408 | 4.18 | 0.17 | 27.079 | 0.320 | 1497. | 4.6 |
| 181 | 182.0 | 11.121 | 35.402 | 4.18 | 0.16 | 27.067 | 0.321 | 1497. | 4.7 |
| 181 | 183.0 | 11.132 | 35.397 | 4.19 | 0.16 | 27.061 | 0.322 | 1497. | 4.6 |
| 182 | 184.0 | 11.095 | 35.397 | 4.19 | 0.16 | 27.068 | 0.323 | 1497. | 4.7 |
| 183 | 185.0 | 11.085 | 35.385 | 4.19 | 0.16 | 27.060 | 0.324 | 1497. | 3.9 |
| 184 | 186.0 | 10.978 | 35.381 | 4.22 | 0.17 | 27.077 | 0.325 | 1497. | 4.5 |
| 185 | 187.0 | 10.899 | 35.369 | 4.22 | 0.17 | 27.082 | 0.326 | 1497. | 4.9 |
| 186 | 188.0 | 10.788 | 35.381 | 4.23 | 0.17 | 27.111 | 0.327 | 1496. | 4.7 |
| 187 | 189.0 | 10.825 | 35.373 | 4.22 | 0.17 | 27.098 | 0.328 | 1496. | 4.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 64 | 14 JUL 1982 | 0728 | 40°29.4'N | 68°11.1'W | 201 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 188 | 190.0 | 10.776 | 35.373 | 4.22 | 0.17 | 27.107 | 0.329 | 1496. | 3.7 |
| 189 | 191.0 | 10.733 | 35.372 | 4.23 | 0.17 | 27.114 | 0.330 | 1496. | 2.9 |
| 190 | 192.0 | 10.745 | 35.368 | 4.22 | 0.17 | 27.109 | 0.331 | 1496. | 2.6 |
| 191 | 193.0 | 10.690 | 35.369 | 4.22 | 0.17 | 27.120 | 0.332 | 1496. | 3.0 |
| 192 | 194.0 | 10.732 | 35.365 | 4.20 | 0.17 | 27.109 | 0.333 | 1496. | 3.3 |
| 193 | 195.0 | 10.679 | 35.354 | 4.21 | 0.17 | 27.110 | 0.334 | 1496. | 3.8 |
| 194 | 196.0 | 10.554 | 35.351 | 4.24 | 0.17 | 27.130 | 0.335 | 1495. | 4.4 |
| 195 | 197.0 | 10.577 | 35.349 | 4.22 | 0.17 | 27.124 | 0.336 | 1496. | 4.4 |
| 196 | 198.0 | 10.490 | 35.350 | 4.20 | 0.18 | 27.141 | 0.337 | 1495. | 4.4 |
| 197 | 199.0 | 10.428 | 35.345 | 4.22 | 0.18 | 27.147 | 0.338 | 1495. | 4.4 |
| 198 | 200.0 | 10.408 | 35.354 | 4.23 | 0.18 | 27.158 | 0.339 | 1495. | 4.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 65 | 14 JUL 1982 | 0750 | 40°29.0'N | 68°11.1'W | 158 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.9 | 21.806 | 35.002 | 4.96 | 0.21 | 24.275 | 0.000 | 1526. | 10.6 |
| 2 | 2.1 | 21.800 | 35.002 | 5.16 | 0.21 | 24.277 | 0.004 | 1526. | 10.6 |
| 4 | 4.0 | 21.729 | 34.979 | 5.21 | 0.21 | 24.279 | 0.011 | 1526. | 10.6 |
| 6 | 6.1 | 21.655 | 34.957 | 5.20 | 0.21 | 24.283 | 0.019 | 1526. | 10.6 |
| 8 | 7.9 | 21.615 | 34.951 | 5.16 | 0.21 | 24.289 | 0.026 | 1526. | 10.6 |
| 10 | 10.0 | 21.269 | 34.997 | 5.23 | 0.22 | 24.420 | 0.033 | 1525. | 11.1 |
| 12 | 12.0 | 21.146 | 35.266 | 5.20 | 0.23 | 24.658 | 0.040 | 1525. | 11.4 |
| 14 | 14.0 | 21.174 | 35.324 | 5.14 | 0.21 | 24.695 | 0.046 | 1525. | 11.0 |
| 16 | 16.0 | 21.152 | 35.389 | 5.12 | 0.21 | 24.750 | 0.053 | 1525. | 10.2 |
| 18 | 18.0 | 21.090 | 35.429 | 5.11 | 0.20 | 24.798 | 0.059 | 1525. | 8.9 |
| 20 | 20.0 | 21.050 | 35.449 | 5.14 | 0.20 | 24.823 | 0.065 | 1525. | 8.1 |
| 22 | 22.1 | 21.048 | 35.452 | 5.18 | 0.21 | 24.827 | 0.072 | 1525. | 8.9 |
| 24 | 24.0 | 20.949 | 35.476 | 5.16 | 0.21 | 24.872 | 0.078 | 1525. | 9.6 |
| 26 | 25.9 | 20.801 | 35.502 | 5.17 | 0.21 | 24.932 | 0.084 | 1525. | 10.0 |
| 28 | 28.1 | 20.524 | 35.534 | 5.23 | 0.22 | 25.031 | 0.090 | 1524. | 10.2 |
| 30 | 30.0 | 20.095 | 35.551 | 5.33 | 0.22 | 25.158 | 0.096 | 1523. | 10.3 |
| 32 | 31.9 | 19.942 | 35.573 | 5.30 | 0.22 | 25.216 | 0.101 | 1522. | 10.1 |
| 34 | 34.0 | 19.878 | 35.577 | 5.29 | 0.22 | 25.235 | 0.107 | 1522. | 9.5 |
| 36 | 36.0 | 19.741 | 35.576 | 5.33 | 0.23 | 25.271 | 0.112 | 1522. | 8.7 |
| 38 | 38.0 | 19.458 | 35.565 | 5.40 | 0.23 | 25.336 | 0.117 | 1521. | 8.5 |
| 40 | 39.9 | 19.207 | 35.555 | 5.39 | 0.24 | 25.394 | 0.123 | 1521. | 8.8 |
| 42 | 42.0 | 19.158 | 35.574 | 5.38 | 0.25 | 25.421 | 0.128 | 1520. | 9.1 |
| 44 | 44.1 | 19.069 | 35.567 | 5.41 | 0.25 | 25.438 | 0.133 | 1520. | 9.7 |
| 46 | 45.9 | 18.518 | 35.538 | 5.47 | 0.26 | 25.556 | 0.138 | 1519. | 10.2 |
| 48 | 48.0 | 18.275 | 35.525 | 5.40 | 0.28 | 25.607 | 0.143 | 1518. | 10.7 |
| 50 | 50.0 | 18.172 | 35.540 | 5.37 | 0.29 | 25.644 | 0.148 | 1518. | 11.0 |
| 52 | 52.1 | 17.553 | 35.527 | 5.47 | 0.30 | 25.787 | 0.152 | 1516. | 11.2 |
| 53 | 53.9 | 17.210 | 35.529 | 5.34 | 0.27 | 25.871 | 0.156 | 1515. | 10.9 |
| 56 | 56.0 | 16.890 | 35.522 | 5.22 | 0.23 | 25.942 | 0.161 | 1514. | 11.0 |
| 58 | 58.1 | 16.634 | 35.517 | 5.21 | 0.22 | 25.999 | 0.165 | 1513. | 10.8 |
| 60 | 60.0 | 16.279 | 35.505 | 5.21 | 0.21 | 26.072 | 0.169 | 1512. | 10.1 |
| 61 | 61.9 | 16.109 | 35.514 | 5.10 | 0.19 | 26.119 | 0.172 | 1512. | 9.7 |
| 63 | 64.0 | 15.723 | 35.535 | 5.04 | 0.18 | 26.224 | 0.176 | 1511. | 9.3 |
| 66 | 66.0 | 15.530 | 35.531 | 4.96 | 0.16 | 26.264 | 0.180 | 1510. | 8.8 |
| 68 | 68.0 | 15.408 | 35.531 | 4.90 | 0.15 | 26.292 | 0.183 | 1510. | 8.3 |
| 69 | 69.9 | 15.230 | 35.536 | 4.83 | 0.15 | 26.335 | 0.187 | 1509. | 7.9 |
| 71 | 72.0 | 15.091 | 35.537 | 4.72 | 0.14 | 26.367 | 0.190 | 1509. | 7.3 |
| 73 | 74.1 | 15.000 | 35.538 | 4.72 | 0.14 | 26.388 | 0.193 | 1509. | 7.2 |
| 75 | 76.0 | 14.769 | 35.522 | 4.77 | 0.13 | 26.426 | 0.197 | 1508. | 7.0 |
| 77 | 78.0 | 14.434 | 35.486 | 4.71 | 0.12 | 26.471 | 0.200 | 1507. | 6.6 |
| 79 | 80.0 | 14.236 | 35.461 | 4.66 | 0.13 | 26.494 | 0.203 | 1506. | 6.3 |
| 81 | 82.0 | 14.194 | 35.473 | 4.64 | 0.13 | 26.513 | 0.206 | 1506. | 6.0 |
| 83 | 84.1 | 14.106 | 35.473 | 4.67 | 0.12 | 26.531 | 0.209 | 1506. | 5.6 |
| 85 | 86.0 | 14.017 | 35.467 | 4.65 | 0.12 | 26.545 | 0.212 | 1505. | 5.2 |
| 87 | 88.0 | 13.804 | 35.434 | 4.60 | 0.12 | 26.564 | 0.215 | 1505. | 5.0 |
| 89 | 90.0 | 13.742 | 35.434 | 4.60 | 0.12 | 26.578 | 0.218 | 1505. | 4.8 |
| 91 | 92.1 | 13.626 | 35.426 | 4.62 | 0.13 | 26.595 | 0.221 | 1504. | 4.5 |
| 93 | 94.0 | 13.505 | 35.406 | 4.66 | 0.13 | 26.605 | 0.224 | 1504. | 4.2 |
| 95 | 95.9 | 13.351 | 35.382 | 4.61 | 0.13 | 26.618 | 0.227 | 1503. | 3.7 |
| 97 | 98.0 | 13.283 | 35.376 | 4.54 | 0.14 | 26.627 | 0.230 | 1503. | 3.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 65 | 14 JUL 1982 | 0750 | 40°29.0'N | 68°11.1'W | 158 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 13.283 | 35.378 | 4.57 | 0.14 | 26.629 | 0.233 | 1503. | 3.1 |
| 101 | 101.9 | 13.285 | 35.379 | 4.59 | 0.14 | 26.629 | 0.235 | 1503. | 3.1 |
| 103 | 104.1 | 13.258 | 35.374 | 4.54 | 0.14 | 26.631 | 0.238 | 1503. | 3.3 |
| 105 | 106.0 | 13.157 | 35.358 | 4.53 | 0.14 | 26.640 | 0.241 | 1503. | 3.6 |
| 107 | 108.0 | 13.071 | 35.350 | 4.54 | 0.14 | 26.651 | 0.244 | 1503. | 3.8 |
| 109 | 110.1 | 12.951 | 35.339 | 4.57 | 0.14 | 26.666 | 0.247 | 1502. | 3.9 |
| 111 | 111.9 | 12.853 | 35.332 | 4.57 | 0.14 | 26.680 | 0.249 | 1502. | 3.9 |
| 113 | 114.0 | 12.825 | 35.330 | 4.50 | 0.14 | 26.684 | 0.252 | 1502. | 3.7 |
| 115 | 116.0 | 12.784 | 35.328 | 4.48 | 0.15 | 26.691 | 0.255 | 1502. | 3.7 |
| 117 | 118.1 | 12.741 | 35.326 | 4.49 | 0.15 | 26.698 | 0.258 | 1502. | 3.8 |
| 119 | 119.9 | 12.711 | 35.322 | 4.49 | 0.15 | 26.701 | 0.260 | 1502. | 4.2 |
| 121 | 122.0 | 12.639 | 35.312 | 4.39 | 0.15 | 26.707 | 0.263 | 1501. | 4.6 |
| 123 | 124.1 | 12.513 | 35.313 | 4.40 | 0.16 | 26.733 | 0.266 | 1501. | 4.9 |
| 125 | 125.9 | 12.463 | 35.319 | 4.40 | 0.16 | 26.748 | 0.268 | 1501. | 5.2 |
| 127 | 128.0 | 12.362 | 35.333 | 4.39 | 0.15 | 26.778 | 0.271 | 1501. | 5.4 |
| 129 | 130.0 | 12.345 | 35.334 | 4.37 | 0.15 | 26.782 | 0.274 | 1501. | 5.9 |
| 131 | 131.9 | 12.277 | 35.340 | 4.33 | 0.16 | 26.800 | 0.276 | 1500. | 6.3 |
| 133 | 134.1 | 12.180 | 35.348 | 4.30 | 0.15 | 26.825 | 0.279 | 1500. | 6.6 |
| 135 | 136.0 | 12.077 | 35.350 | 4.30 | 0.15 | 26.847 | 0.281 | 1500. | 6.8 |
| 137 | 138.0 | 11.937 | 35.392 | 4.26 | 0.15 | 26.906 | 0.284 | 1499. | 7.0 |
| 139 | 140.1 | 11.918 | 35.431 | 4.19 | 0.14 | 26.940 | 0.286 | 1499. | 6.9 |
| 140 | 141.2 | 11.916 | 35.447 | 4.19 | 0.13 | 26.953 | 0.287 | 1499. | 6.6 |
| 141 | 142.0 | 11.909 | 35.452 | 4.18 | 0.12 | 26.958 | 0.288 | 1499. | 5.9 |
| 142 | 143.0 | 11.883 | 35.450 | 4.14 | 0.12 | 26.962 | 0.289 | 1499. | 4.3 |
| 143 | 144.0 | 11.868 | 35.449 | 4.10 | 0.12 | 26.964 | 0.290 | 1499. | 2.8 |
| 144 | 145.1 | 11.868 | 35.452 | 4.09 | 0.11 | 26.966 | 0.292 | 1499. | 1.9 |
| 145 | 146.0 | 11.871 | 35.452 | 4.10 | 0.11 | 26.965 | 0.293 | 1499. | 1.6 |
| 146 | 147.0 | 11.874 | 35.452 | 4.07 | 0.11 | 26.965 | 0.294 | 1499. | 2.1 |
| 147 | 148.0 | 11.882 | 35.452 | 4.04 | 0.12 | 26.963 | 0.295 | 1499. | 2.4 |
| 148 | 149.0 | 11.873 | 35.452 | 4.01 | 0.12 | 26.965 | 0.296 | 1499. | 2.4 |
| 149 | 150.0 | 11.826 | 35.444 | 4.02 | 0.11 | 26.968 | 0.297 | 1499. | 2.4 |
| 150 | 151.1 | 11.790 | 35.450 | 4.05 | 0.12 | 26.980 | 0.298 | 1499. | 2.4 |
| 150 | 151.6 | 11.816 | 35.455 | 4.05 | 0.12 | 26.978 | 0.299 | 1499. | 2.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 66 | 14 JUL 1982 | 0811 | 40°27.9'N | 68°11.1'W | 125 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.4 | 21.485 | 34.759 | 5.06 | 0.23 | 24.179 | 0.000 | 1525. | 12.5 |
| 4 | 3.9 | 21.481 | 34.757 | 5.11 | 0.22 | 24.179 | 0.006 | 1525. | 12.5 |
| 6 | 6.0 | 21.458 | 34.754 | 5.15 | 0.23 | 24.183 | 0.013 | 1525. | 12.5 |
| 8 | 8.0 | 21.371 | 34.754 | 5.10 | 0.23 | 24.207 | 0.021 | 1525. | 12.5 |
| 10 | 9.9 | 21.017 | 34.827 | 5.14 | 0.25 | 24.359 | 0.028 | 1524. | 12.5 |
| 12 | 12.0 | 20.687 | 34.934 | 5.23 | 0.25 | 24.530 | 0.035 | 1523. | 12.8 |
| 14 | 14.0 | 20.682 | 35.202 | 5.26 | 0.25 | 24.735 | 0.042 | 1524. | 12.7 |
| 16 | 16.0 | 20.884 | 35.343 | 5.25 | 0.24 | 24.788 | 0.048 | 1525. | 12.3 |
| 18 | 18.0 | 20.868 | 35.397 | 5.23 | 0.24 | 24.833 | 0.054 | 1525. | 11.6 |
| 20 | 20.0 | 20.811 | 35.424 | 5.23 | 0.24 | 24.870 | 0.061 | 1524. | 11.1 |
| 22 | 22.0 | 20.668 | 35.443 | 5.25 | 0.24 | 24.922 | 0.067 | 1524. | 10.8 |
| 24 | 23.9 | 20.268 | 35.430 | 5.30 | 0.26 | 25.020 | 0.073 | 1523. | 11.1 |
| 26 | 26.0 | 19.842 | 35.461 | 5.35 | 0.28 | 25.157 | 0.079 | 1522. | 11.3 |
| 28 | 28.0 | 19.692 | 35.531 | 5.39 | 0.27 | 25.249 | 0.084 | 1522. | 11.4 |
| 30 | 30.0 | 19.359 | 35.484 | 5.42 | 0.27 | 25.300 | 0.089 | 1521. | 11.3 |
| 32 | 32.1 | 18.967 | 35.433 | 5.48 | 0.30 | 25.362 | 0.095 | 1520. | 10.9 |
| 34 | 34.0 | 18.617 | 35.400 | 5.56 | 0.32 | 25.426 | 0.100 | 1519. | 10.5 |
| 36 | 36.0 | 18.261 | 35.403 | 5.59 | 0.33 | 25.517 | 0.105 | 1518. | 10.8 |
| 38 | 38.1 | 18.026 | 35.440 | 5.61 | 0.33 | 25.604 | 0.110 | 1517. | 11.1 |
| 40 | 39.9 | 18.018 | 35.500 | 5.57 | 0.32 | 25.652 | 0.114 | 1517. | 11.1 |
| 42 | 42.0 | 17.889 | 35.533 | 5.50 | 0.30 | 25.709 | 0.119 | 1517. | 10.9 |
| 44 | 44.1 | 17.319 | 35.551 | 5.51 | 0.26 | 25.862 | 0.124 | 1515. | 10.4 |
| 46 | 45.9 | 17.067 | 35.544 | 5.37 | 0.23 | 25.917 | 0.128 | 1514. | 10.0 |
| 48 | 48.1 | 16.870 | 35.539 | 5.24 | 0.22 | 25.960 | 0.132 | 1514. | 9.7 |
| 50 | 49.9 | 16.743 | 35.552 | 5.16 | 0.21 | 26.000 | 0.136 | 1514. | 9.1 |
| 52 | 52.0 | 16.724 | 35.584 | 5.07 | 0.20 | 26.029 | 0.140 | 1514. | 8.4 |
| 54 | 54.1 | 16.362 | 35.551 | 5.04 | 0.18 | 26.089 | 0.144 | 1512. | 8.2 |
| 56 | 55.9 | 15.995 | 35.514 | 5.00 | 0.18 | 26.145 | 0.148 | 1511. | 8.0 |
| 58 | 58.0 | 15.749 | 35.477 | 4.94 | 0.18 | 26.173 | 0.151 | 1511. | 8.1 |
| 59 | 60.0 | 15.431 | 35.453 | 4.96 | 0.18 | 26.226 | 0.155 | 1510. | 8.1 |
| 62 | 62.1 | 15.386 | 35.463 | 4.93 | 0.17 | 26.244 | 0.159 | 1509. | 7.8 |
| 63 | 63.9 | 15.390 | 35.489 | 4.91 | 0.16 | 26.264 | 0.162 | 1510. | 7.5 |
| 65 | 66.0 | 15.271 | 35.568 | 4.86 | 0.14 | 26.350 | 0.166 | 1509. | 7.2 |
| 68 | 68.1 | 15.156 | 35.570 | 4.82 | 0.13 | 26.378 | 0.169 | 1509. | 6.7 |
| 69 | 69.9 | 15.071 | 35.569 | 4.77 | 0.13 | 26.396 | 0.172 | 1509. | 6.3 |
| 71 | 71.9 | 15.106 | 35.600 | 4.68 | 0.12 | 26.412 | 0.175 | 1509. | 5.7 |
| 73 | 74.0 | 14.976 | 35.577 | 4.67 | 0.12 | 26.423 | 0.179 | 1508. | 4.8 |
| 75 | 75.9 | 14.782 | 35.534 | 4.69 | 0.12 | 26.433 | 0.182 | 1508. | 4.8 |
| 77 | 78.0 | 14.390 | 35.447 | 4.73 | 0.12 | 26.450 | 0.185 | 1507. | 4.9 |
| 79 | 80.0 | 14.270 | 35.428 | 4.75 | 0.12 | 26.461 | 0.188 | 1506. | 5.0 |
| 81 | 82.0 | 13.970 | 35.355 | 4.80 | 0.12 | 26.468 | 0.192 | 1505. | 5.3 |
| 83 | 84.0 | 13.747 | 35.338 | 4.84 | 0.12 | 26.502 | 0.195 | 1504. | 5.8 |
| 85 | 86.0 | 13.687 | 35.341 | 4.79 | 0.12 | 26.517 | 0.198 | 1504. | 6.3 |
| 87 | 88.1 | 13.591 | 35.342 | 4.81 | 0.12 | 26.538 | 0.201 | 1504. | 6.5 |
| 89 | 89.9 | 13.490 | 35.350 | 4.80 | 0.12 | 26.565 | 0.204 | 1504. | 6.5 |
| 91 | 92.0 | 13.323 | 35.372 | 4.75 | 0.12 | 26.616 | 0.207 | 1503. | 6.2 |
| 93 | 93.9 | 13.189 | 35.373 | 4.70 | 0.13 | 26.644 | 0.209 | 1503. | 5.9 |
| 95 | 96.0 | 13.112 | 35.371 | 4.62 | 0.13 | 26.659 | 0.212 | 1503. | 5.6 |
| 97 | 98.1 | 13.052 | 35.364 | 4.58 | 0.13 | 26.665 | 0.215 | 1502. | 5.2 |
| 99 | 100.0 | 12.978 | 35.354 | 4.56 | 0.14 | 26.673 | 0.218 | 1502. | 4.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 66 | 14 JUL 1982 | 0811 | 40°27.9'N | 68°11.1'W | 125 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 12.889 | 35.347 | 4.53 | 0.14 | 26.685 | 0.221 | 1502. | 4.9 |
| 103 | 104.1 | 12.726 | 35.334 | 4.48 | 0.14 | 26.707 | 0.223 | 1501. | 5.3 |
| 105 | 106.0 | 12.623 | 35.336 | 4.46 | 0.15 | 26.729 | 0.226 | 1501. | 5.9 |
| 107 | 108.1 | 12.569 | 35.337 | 4.41 | 0.15 | 26.740 | 0.229 | 1501. | 6.5 |
| 109 | 109.9 | 12.452 | 35.336 | 4.42 | 0.14 | 26.763 | 0.231 | 1501. | 7.1 |
| 110 | 111.2 | 12.346 | 35.356 | 4.41 | 0.15 | 26.799 | 0.233 | 1500. | 7.8 |
| 111 | 112.0 | 12.297 | 35.382 | 4.37 | 0.15 | 26.829 | 0.234 | 1500. | 8.6 |
| 112 | 113.0 | 12.238 | 35.396 | 4.33 | 0.14 | 26.852 | 0.235 | 1500. | 9.3 |
| 113 | 114.0 | 12.131 | 35.416 | 4.33 | 0.14 | 26.888 | 0.236 | 1500. | 9.2 |
| 114 | 115.0 | 12.045 | 35.438 | 4.33 | 0.13 | 26.921 | 0.238 | 1499. | 8.5 |
| 115 | 116.0 | 11.964 | 35.453 | 4.30 | 0.13 | 26. |  |  |  |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 66 | 14 JUL 1982 | 0811 | 40°27.9'N | 68°11.1'W | 125 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 12.889 | 35.347 | 4.53 | 0.14 | 26.685 | 0.221 | 1502. | 4.9 |
| 103 | 104.1 | 12.726 | 35.334 | 4.48 | 0.14 | 26.707 | 0.223 | 1501. | 5.3 |
| 105 | 106.0 | 12.623 | 35.336 | 4.46 | 0.15 | 26.729 | 0.226 | 1501. | 5.9 |
| 107 | 108.1 | 12.569 | 35.337 | 4.41 | 0.15 | 26.740 | 0.229 | 1501. | 6.5 |
| 109 | 109.9 | 12.452 | 35.336 | 4.42 | 0.14 | 26.763 | 0.231 | 1501. | 7.1 |
| 110 | 111.2 | 12.346 | 35.356 | 4.41 | 0.15 | 26.799 | 0.233 | 1500. | 7.8 |
| 111 | 112.0 | 12.297 | 35.382 | 4.37 | 0.15 | 26.829 | 0.234 | 1500. | 8.6 |
| 112 | 113.0 | 12.238 | 35.396 | 4.33 | 0.14 | 26.852 | 0.235 | 1500. | 9.3 |
| 113 | 114.0 | 12.131 | 35.416 | 4.33 | 0.14 | 26.888 | 0.236 | 1500. | 9.2 |
| 114 | 115.0 | 12.045 | 35.438 | 4.33 | 0.13 | 26.921 | 0.238 | 1499. | 8.5 |
| 115 | 116.0 | 11.964 | 35.453 | 4.30 | 0.13 | 26.948 | 0.239 | 1499. | 7.7 |
| 116 | 117.0 | 11.915 | 35.452 | 4.24 | 0.13 | 26.957 | 0.240 | 1499. | 6.7 |
| 117 | 118.0 | 11.887 | 35.454 | 4.19 | 0.13 | 26.964 | 0.241 | 1499. | 5.5 |
| 118 | 119.0 | 11.844 | 35.452 | 4.17 | 0.13 | 26.971 | 0.242 | 1499. | 4.3 |
| 119 | 120.0 | 11.837 | 35.452 | 4.14 | 0.13 | 26.972 | 0.243 | 1499. | 4.3 |
| 120 | 121.0 | 11.829 | 35.453 | 4.12 | 0.13 | 26.975 | 0.244 | 1499. | 4.3 |
| 121 | 122.0 | 11.830 | 35.454 | 4.10 | 0.13 | 26.975 | 0.245 | 1499. | 4.3 |
| 122 | 122.9 | 11.833 | 35.455 | 4.04 | 0.13 | 26.975 | 0.246 | 1499. | 4.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 67 | 14 JUL 1982 | 0850 | 40°31.0'N | 68°11.1'W | 110 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.1 | 21.951 | 35.052 | 5.06 | 0.34 | 24.273 | 0.000 | 1527. | 11.1 |
| 4 | 3.9 | 21.990 | 35.127 | 5.07 | 0.22 | 24.318 | 0.006 | 1527. | 11.1 |
| 6 | 5.9 | 21.826 | 35.163 | 5.10 | 0.20 | 24.391 | 0.014 | 1527. | 11.1 |
| 8 | 8.0 | 21.405 | 35.276 | 5.12 | 0.19 | 24.594 | 0.021 | 1526. | 11.1 |
| 10 | 10.0 | 21.406 | 35.299 | 5.17 | 0.19 | 24.611 | 0.028 | 1526. | 11.1 |
| 12 | 12.0 | 21.383 | 35.338 | 5.18 | 0.20 | 24.648 | 0.034 | 1526. | 11.3 |
| 14 | 14.0 | 21.327 | 35.382 | 5.20 | 0.20 | 24.696 | 0.041 | 1526. | 11.1 |
| 16 | 15.9 | 21.310 | 35.457 | 5.22 | 0.21 | 24.759 | 0.047 | 1526. | 10.7 |
| 18 | 18.0 | 20.796 | 35.513 | 5.29 | 0.21 | 24.941 | 0.053 | 1525. | 10.8 |
| 20 | 20.0 | 20.541 | 35.522 | 5.30 | 0.22 | 25.017 | 0.059 | 1524. | 10.4 |
| 22 | 22.0 | 20.406 | 35.524 | 5.33 | 0.22 | 25.055 | 0.065 | 1524. | 9.8 |
| 24 | 24.0 | 20.280 | 35.531 | 5.34 | 0.22 | 25.094 | 0.071 | 1523. | 9.1 |
| 26 | 26.0 | 20.165 | 35.542 | 5.36 | 0.23 | 25.132 | 0.077 | 1523. | 8.5 |
| 28 | 28.0 | 20.104 | 35.547 | 5.39 | 0.23 | 25.153 | 0.082 | 1523. | 8.7 |
| 30 | 30.1 | 19.990 | 35.555 | 5.40 | 0.23 | 25.189 | 0.088 | 1523. | 9.1 |
| 32 | 32.0 | 19.733 | 35.565 | 5.44 | 0.23 | 25.265 | 0.093 | 1522. | 9.4 |
| 34 | 34.0 | 19.416 | 35.583 | 5.46 | 0.23 | 25.361 | 0.099 | 1521. | 9.7 |
| 36 | 36.0 | 19.294 | 35.595 | 5.44 | 0.24 | 25.401 | 0.104 | 1521. | 10.2 |
| 38 | 38.0 | 19.013 | 35.597 | 5.43 | 0.24 | 25.475 | 0.109 | 1520. | 10.5 |
| 40 | 40.0 | 18.869 | 35.600 | 5.39 | 0.26 | 25.515 | 0.114 | 1520. | 10.5 |
| 42 | 41.9 | 18.655 | 35.602 | 5.36 | 0.26 | 25.571 | 0.119 | 1519. | 10.4 |
| 44 | 44.0 | 17.962 | 35.535 | 5.43 | 0.28 | 25.693 | 0.124 | 1517. | 10.6 |
| 46 | 46.0 | 17.035 | 35.360 | 5.51 | 0.27 | 25.784 | 0.128 | 1514. | 10.5 |
| 48 | 48.1 | 16.556 | 35.260 | 5.42 | 0.24 | 25.819 | 0.133 | 1513. | 10.1 |
| 49 | 49.9 | 16.022 | 35.163 | 5.42 | 0.22 | 25.869 | 0.136 | 1511. | 9.5 |
| 52 | 52.0 | 15.191 | 35.035 | 5.46 | 0.20 | 25.958 | 0.141 | 1508. | 8.7 |
| 54 | 54.0 | 14.845 | 34.980 | 5.40 | 0.19 | 25.991 | 0.145 | 1507. | 8.0 |
| 56 | 56.1 | 14.568 | 34.928 | 5.36 | 0.19 | 26.011 | 0.149 | 1506. | 7.9 |
| 57 | 57.9 | 14.177 | 34.857 | 5.37 | 0.18 | 26.040 | 0.153 | 1505. | 7.9 |
| 60 | 60.0 | 13.905 | 34.832 | 5.30 | 0.20 | 26.077 | 0.157 | 1504. | 7.8 |
| 62 | 62.1 | 13.776 | 34.828 | 5.22 | 0.18 | 26.102 | 0.161 | 1504. | 7.8 |
| 63 | 63.9 | 13.623 | 34.853 | 5.25 | 0.17 | 26.152 | 0.164 | 1503. | 7.6 |
| 65 | 66.0 | 13.535 | 34.942 | 5.21 | 0.15 | 26.240 | 0.168 | 1503. | 7.2 |
| 68 | 68.0 | 13.403 | 34.923 | 5.15 | 0.16 | 26.252 | 0.172 | 1503. | 6.4 |
| 69 | 70.0 | 13.350 | 34.926 | 5.09 | 0.16 | 26.265 | 0.175 | 1502. | 5.5 |
| 71 | 72.0 | 13.336 | 34.930 | 5.03 | 0.17 | 26.271 | 0.179 | 1502. | 4.2 |
| 73 | 74.0 | 13.324 | 34.930 | 5.02 | 0.17 | 26.274 | 0.182 | 1502. | 2.6 |
| 75 | 76.1 | 13.316 | 34.930 | 5.01 | 0.17 | 26.276 | 0.186 | 1502. | 2.1 |
| 77 | 78.0 | 13.311 | 34.930 | 5.02 | 0.17 | 26.277 | 0.189 | 1502. | 1.7 |
| 79 | 80.0 | 13.309 | 34.932 | 5.00 | 0.18 | 26.278 | 0.193 | 1502. | 1.6 |
| 81 | 82.0 | 13.309 | 34.932 | 4.99 | 0.18 | 26.278 | 0.196 | 1502. | 1.9 |
| 83 | 84.1 | 13.308 | 34.933 | 4.97 | 0.18 | 26.280 | 0.200 | 1503. | 2.5 |
| 85 | 85.9 | 13.308 | 34.936 | 5.05 | 0.18 | 26.282 | 0.203 | 1503. | 2.9 |
| 87 | 88.0 | 13.307 | 34.941 | 4.91 | 0.18 | 26.286 | 0.207 | 1503. | 3.3 |
| 89 | 90.0 | 13.307 | 34.957 | 4.91 | 0.18 | 26.298 | 0.210 | 1503. | 3.7 |
| 91 | 91.2 | 13.305 | 34.976 | 4.92 | 0.18 | 26.313 | 0.213 | 1503. | 4.1 |
| 91 | 92.0 | 13.305 | 34.977 | 4.93 | 0.18 | 26.314 | 0.214 | 1503. | 4.3 |
| 92 | 93.0 | 13.304 | 34.986 | 4.91 | 0.18 | 26.321 | 0.216 | 1503. | 4.5 |
| 93 | 94.0 | 13.302 | 34.994 | 4.92 | 0.18 | 26.327 | 0.217 | 1503. | 4.6 |
| 94 | 95.0 | 13.302 | 34.997 | 4.93 | 0.18 | 26.330 | 0.219 | 1503. | 4.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 67 | 14 JUL 1982 | 0850 | 40°31.0'N | 68°11.1'W | 110 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYNT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 95 | 96.0 | 13.303 | 35.006 | 4.90 | 0.18 | 26.337 | 0.221 | 1503. | 5.2 |
| 96 | 97.0 | 13.305 | 35.018 | 4.89 | 0.18 | 26.346 | 0.222 | 1503. | 5.2 |
| 97 | 97.9 | 13.308 | 35.035 | 4.88 | 0.17 | 26.359 | 0.224 | 1503. | 5.1 |
| 98 | 98.9 | 13.312 | 35.056 | 4.90 | 0.17 | 26.374 | 0.226 | 1503. | 5.0 |
| 99 | 100.0 | 13.314 | 35.065 | 4.89 | 0.17 | 26.380 | 0.227 | 1503. | 4.8 |
| 100 | 101.0 | 13.314 | 35.068 | 4.82 | 0.17 | 26.383 | 0.229 | 1503. | 4.7 |
| 101 | 102.0 | 13.315 | 35.071 | 4.78 | 0.18 | 26.385 | 0.231 | 1503. | 4.5 |
| 102 | 103.0 | 13.315 | 35.077 | 4.80 | 0.18 | 26.389 | 0.232 | 1503. | 4.3 |
| 103 | 104.0 | 13.314 | 35.088 | 4.79 | 0.18 | 26.398 | 0.234 | 1503. | 4.3 |
| 104 | 105.0 | 13.312 | 35.106 | 4.82 | 0.17 | 26.413 | 0.236 | 1503. | 4.2 |
| 105 | 106.0 | 13.312 | 35.108 | 4.82 | 0.17 | 26.414 | 0.237 | 1503. | 4.2 |
| 106 | 107.1 | 13.311 | 35.113 | 4.78 | 0.18 | 26.418 | 0.239 | 1503. | 4.2 |
| 107 | 107.9 | 13.312 | 35.117 | .63 | 0.17 | 26.421 | 0.241 | 1503. | 4.2 |
| 108 | 108.6 | 13.313 | 35.113 | 4.64 | 0.18 | 26.418 | 0.242 | 1503. | 4.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 68 | 14 JUL 1982 | 0916 | 40°28.3'N | 68°09.0'W | 380 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYNT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 3 | 2.7 | 21.513 | 34.757 | 5.17 | 0.22 | 24.170 | 0.000 | 1525. | 14.8 |
| 4 | 3.9 | 21.465 | 34.745 | 5.23 | 0.22 | 24.174 | 0.005 | 1525. | 14.8 |
| 6 | 6.1 | 21.439 | 34.763 | 5.18 | 0.23 | 24.195 | 0.013 | 1525. | 14.8 |
| 8 | 8.0 | 21.108 | 34.776 | 5.22 | 0.25 | 24.296 | 0.020 | 1524. | 14.8 |
| 10 | 10.1 | 20.543 | 35.018 | 5.28 | 0.26 | 24.632 | 0.027 | 1523. | 14.8 |
| 12 | 11.9 | 20.457 | 35.233 | 5.31 | 0.26 | 24.819 | 0.033 | 1523. | 14.6 |
| 14 | 14.1 | 20.425 | 35.399 | 5.33 | 0.27 | 24.954 | 0.039 | 1523. | 13.9 |
| 16 | 15.9 | 20.301 | 35.436 | 5.37 | 0.27 | 25.016 | 0.045 | 1523. | 12.3 |
| 18 | 18.0 | 20.134 | 35.436 | 5.38 | 0.28 | 25.060 | 0.051 | 1523. | 10.0 |
| 20 | 20.0 | 20.008 | 35.453 | 5.42 | 0.27 | 25.106 | 0.057 | 1522. | 8.5 |
| 22 | 22.0 | 19.833 | 35.457 | 5.44 | 0.28 | 25.156 | 0.062 | 1522. | 7.9 |
| 24 | 24.0 | 19.779 | 35.462 | 5.43 | 0.29 | 25.174 | 0.068 | 1522. | 8.0 |
| 26 | 26.1 | 19.710 | 35.454 | 5.46 | 0.29 | 25.186 | 0.074 | 1522. | 8.2 |
| 28 | 28.1 | 19.385 | 35.399 | 5.53 | 0.31 | 25.229 | 0.079 | 1521. | 8.3 |
| 30 | 29.9 | 18.974 | 35.363 | 5.59 | 0.33 | 25.306 | 0.084 | 1519. | 8.6 |
| 32 | 32.0 | 18.785 | 35.388 | 5.61 | 0.34 | 25.374 | 0.090 | 1519. | 9.1 |
| 34 | 34.0 | 18.771 | 35.418 | 5.63 | 0.33 | 25.400 | 0.095 | 1519. | 9.5 |
| 36 | 36.0 | 18.663 | 35.446 | 5.64 | 0.33 | 25.449 | 0.100 | 1519. | 9.6 |
| 38 | 38.0 | 18.378 | 35.438 | 5.65 | 0.34 | 25.514 | 0.105 | 1518. | 9.3 |
| 40 | 40.0 | 17.994 | 35.394 | 5.68 | 0.36 | 25.577 | 0.110 | 1517. | 8.9 |
| 42 | 42.0 | 17.558 | 35.366 | 5.76 | 0.38 | 25.662 | 0.115 | 1516. | 8.5 |
| 44 | 44.0 | 17.399 | 35.367 | 5.76 | 0.35 | 25.701 | 0.119 | 1515. | 8.0 |
| 46 | 46.0 | 17.344 | 35.362 | 5.71 | 0.33 | 25.711 | 0.124 | 1515. | 7.3 |
| 48 | 48.0 | 17.298 | 35.367 | 5.62 | 0.33 | 25.725 | 0.128 | 1515. | 7.1 |
| 50 | 50.1 | 17.210 | 35.369 | 5.61 | 0.31 | 25.748 | 0.133 | 1515. | 7.4 |
| 52 | 52.0 | 17.100 | 35.388 | 5.61 | 0.30 | 25.789 | 0.137 | 1514. | 7.9 |
| 54 | 54.0 | 17.107 | 35.417 | 5.53 | 0.29 | 25.810 | 0.142 | 1515. | 8.4 |
| 56 | 56.0 | 16.947 | 35.475 | 5.47 | 0.26 | 25.892 | 0.146 | 1514. | 8.8 |
| 58 | 58.0 | 16.798 | 35.533 | 5.39 | 0.22 | 25.973 | 0.150 | 1514. | 9.0 |
| 60 | 60.0 | 16.722 | 35.546 | 5.24 | 0.21 | 26.000 | 0.154 | 1514. | 9.2 |
| 62 | 62.0 | 16.59[illegible] | 35.554 | 5.12 | 0.20 | 26.037 | 0.158 | 1513. | 9.6 |
| 64 | 64.1 | 16.[illegible] | 35.570 | 5.05 | 0.18 | 26.097 | 0.162 | 1513. | 9.6 |
| 65 | 65.9 | 16.194 | 35.572 | 4.96 | 0.18 | 26.144 | 0.166 | 1512. | 9.6 |
| 67 | 68.0 | 15.856 | 35.578 | 4.89 | 0.16 | 26.227 | 0.170 | 1511. | 9.8 |
| 70 | 70.1 | 15.457 | 35.576 | 4.88 | 0.14 | 26.315 | 0.173 | 1510. | 9.5 |
| 71 | 72.0 | 15.146 | 35.560 | 4.79 | 0.13 | 26.372 | 0.177 | 1509. | 8.9 |
| 73 | 74.0 | 15.036 | 35.564 | 4.71 | 0.13 | 26.400 | 0.180 | 1509. | 8.0 |
| 75 | 76.0 | 14.847 | 35.573 | 4.72 | 0.12 | 26.448 | 0.183 | 1508. | 7.0 |
| 77 | 78.0 | 14.785 | 35.574 | 4.68 | 0.12 | 26.462 | 0.186 | 1508. | 6.0 |
| 79 | 80.0 | 14.709 | 35.561 | 4.70 | 0.11 | 26.469 | 0.190 | 1508. | 5.3 |
| 81 | 81.9 | 14.497 | 35.514 | 4.69 | 0.11 | 26.479 | 0.193 | 1507. | 4.7 |
| 83 | 84.1 | 14.449 | 35.529 | 4.69 | 0.11 | 26.501 | 0.196 | 1507. | 4.1 |
| 85 | 85.9 | 14.407 | 35.530 | 4.70 | 0.11 | 26.511 | 0.199 | 1507. | 4.0 |
| 87 | 88.1 | 14.439 | 35.550 | 4.67 | 0.11 | 26.520 | 0.202 | 1507. | 4.3 |
| 89 | 90.0 | 14.506 | 35.574 | 4.64 | 0.11 | 26.523 | 0.205 | 1507. | 4.6 |
| 91 | 92.0 | 14.514 | 35.578 | 4.62 | 0.11 | 26.525 | 0.208 | 1507. | 4.9 |
| 93 | 94.0 | 14.229 | 35.526 | 4.64 | 0.11 | 26.546 | 0.211 | 1506. | 5.1 |
| 95 | 96.0 | 13.939 | 35.483 | 4.67 | 0.11 | 26.574 | 0.214 | 1505. | 5.3 |
| 97 | 97.9 | 13.584 | 35.424 | 4.70 | 0.12 | 26.603 | 0.217 | 1504. | 5.3 |
| 99 | 100.0 | 13.298 | 35.371 | 4.66 | 0.13 | 26.621 | 0.220 | 1503. | 5.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 68 | 14 JUL 1982 | 0916 | 40°28.3'N | 68°09.0'W | 380 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 13.145 | 35.342 | 4.62 | 0.15 | 26.629 | 0.223 | 1503. | 4.5 |
| 103 | 104.0 | 13.161 | 35.359 | 4.59 | 0.15 | 26.639 | 0.225 | 1503. | 3.8 |
| 105 | 106.0 | 13.221 | 35.378 | 4.55 | 0.14 | 26.641 | 0.228 | 1503. | 3.2 |
| 107 | 108.1 | 13.253 | 35.395 | 4.54 | 0.14 | 26.648 | 0.231 | 1503. | 3.0 |
| 109 | 110.0 | 13.257 | 35.399 | 4.56 | 0.14 | 26.651 | 0.234 | 1503. | 2.9 |
| 111 | 112.0 | 13.252 | 35.404 | 4.55 | 0.14 | 26.656 | 0.237 | 1503. | 2.8 |
| 113 | 114.0 | 13.251 | 35.412 | 4.55 | 0.13 | 26.662 | 0.240 | 1503. | 2.9 |
| 115 | 116.1 | 13.191 | 35.405 | 4.54 | 0.14 | 26.669 | 0.243 | 1503. | 3.0 |
| 117 | 118.0 | 13.144 | 35.397 | 4.56 | 0.14 | 26.672 | 0.245 | 1503. | 3.0 |
| 119 | 120.0 | 13.111 | 35.396 | 4.56 | 0.14 | 26.678 | 0.248 | 1503. | 2.9 |
| 121 | 122.1 | 13.032 | 35.383 | 4.51 | 0.14 | 26.684 | 0.251 | 1503. | 2.9 |
| 123 | 123.9 | 13.019 | 35.391 | 4.53 | 0.14 | 26.692 | 0.253 | 1503. | 2.8 |
| 125 | 126.1 | 13.006 | 35.389 | 4.48 | 0.14 | 26.694 | 0.256 | 1503. | 2.9 |
| 127 | 127.9 | 12.986 | 35.387 | 4.51 | 0.14 | 26.696 | 0.259 | 1503. | 2.9 |
| 129 | 130.0 | 12.943 | 35.385 | 4.48 | 0.14 | 26.703 | 0.262 | 1503. | 3.1 |
| 131 | 132.0 | 12.906 | 35.382 | 4.49 | 0.14 | 26.708 | 0.264 | 1503. | 3.3 |
| 133 | 134.0 | 12.856 | 35.378 | 4.49 | 0.14 | 26.716 | 0.267 | 1502. | 3.6 |
| 135 | 136.0 | 12.807 | 35.375 | 4.47 | 0.14 | 26.723 | 0.270 | 1502. | 4.1 |
| 137 | 138.0 | 12.732 | 35.372 | 4.46 | 0.14 | 26.736 | 0.273 | 1502. | 4.6 |
| 139 | 140.0 | 12.673 | 35.372 | 4.43 | 0.14 | 26.747 | 0.275 | 1502. | 5.0 |
| 141 | 142.0 | 12.614 | 35.368 | 4.41 | 0.14 | 26.756 | 0.278 | 1502. | 5.5 |
| 143 | 144.0 | 12.441 | 35.371 | 4.40 | 0.15 | 26.793 | 0.280 | 1501. | 5.9 |
| 145 | 146.1 | 12.361 | 35.379 | 4.36 | 0.14 | 26.814 | 0.283 | 1501. | 6.3 |
| 147 | 147.9 | 12.303 | 35.385 | 4.35 | 0.14 | 26.830 | 0.285 | 1501. | 6.3 |
| 149 | 150.1 | 12.230 | 35.411 | 4.29 | 0.13 | 26.865 | 0.288 | 1501. | 6.1 |
| 151 | 151.9 | 12.159 | 35.440 | 4.27 | 0.12 | 26.901 | 0.290 | 1500. | 5.6 |
| 153 | 154.0 | 12.115 | 35.462 | 4.20 | 0.12 | 26.927 | 0.293 | 1500. | 5.2 |
| 155 | 156.0 | 12.112 | 35.466 | 4.16 | 0.11 | 26.930 | 0.295 | 1500. | 4.7 |
| 157 | 158.1 | 12.107 | 35.468 | 4.11 | 0.11 | 26.933 | 0.297 | 1500. | 4.1 |
| 159 | 159.9 | 12.092 | 35.470 | 4.10 | 0.11 | 26.937 | 0.299 | 1500. | 3.5 |
| 161 | 162.1 | 12.063 | 35.471 | 4.06 | 0.11 | 26.944 | 0.302 | 1500. | 3.3 |
| 163 | 164.0 | 11.980 | 35.469 | 4.08 | 0.11 | 26.958 | 0.304 | 1500. | 3.4 |
| 165 | 165.9 | 11.969 | 35.475 | 4.05 | 0.11 | 26.965 | 0.306 | 1500. | 3.5 |
| 167 | 168.0 | 11.948 | 35.476 | 4.01 | 0.11 | 26.970 | 0.309 | 1500. | 3.5 |
| 169 | 170.0 | 11.898 | 35.472 | 4.04 | 0.10 | 26.976 | 0.311 | 1500. | 3.4 |
| 171 | 172.0 | 11.831 | 35.467 | 4.01 | 0.10 | 26.985 | 0.313 | 1500. | 3.2 |
| 173 | 174.0 | 11.776 | 35.462 | 3.99 | 0.10 | 26.992 | 0.315 | 1499. | 3.1 |
| 175 | 176.0 | 11.707 | 35.454 | 3.99 | 0.11 | 26.999 | 0.317 | 1499. | 3.0 |
| 177 | 178.0 | 11.692 | 35.456 | 3.99 | 0.10 | 27.003 | 0.320 | 1499. | 2.8 |
| 178 | 180.0 | 11.680 | 35.456 | 3.99 | 0.11 | 27.005 | 0.322 | 1499. | 2.5 |
| 181 | 182.0 | 11.635 | 35.455 | 3.98 | 0.11 | 27.012 | 0.324 | 1499. | 2.1 |
| 183 | 184.0 | 11.629 | 35.457 | 3.99 | 0.11 | 27.015 | 0.326 | 1499. | 1.8 |
| 185 | 186.0 | 11.638 | 35.458 | 3.99 | 0.11 | 27.014 | 0.328 | 1499. | 1.6 |
| 186 | 187.9 | 11.642 | 35.457 | 3.96 | 0.11 | 27.013 | 0.330 | 1499. | 1.3 |
| 189 | 190.1 | 11.621 | 35.454 | 3.96 | 0.11 | 27.014 | 0.333 | 1499. | 1.0 |
| 190 | 192.0 | 11.613 | 35.454 | 3.99 | 0.11 | 27.016 | 0.335 | 1499. | 1.0 |
| 192 | 194.0 | 11.611 | 35.454 | 3.97 | 0.11 | 27.017 | 0.337 | 1499. | 1.1 |
| 194 | 196.0 | 11.610 | 35.454 | 3.95 | 0.11 | 27.017 | 0.339 | 1499. | 1.2 |
| 196 | 198.1 | 11.600 | 35.453 | 3.97 | 0.11 | 27.017 | 0.341 | 1499. | 1.4 |
| 198 | 200.0 | 11.584 | 35.449 | 3.99 | 0.11 | 27.018 | 0.343 | 1499. | 1.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 68 | 14 JUL 1982 | 0916 | 40°28.3'N | 68°09.0'W | 380 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 202.0 | 11.579 | 35.450 | 3.97 | 0.11 | 27.020 | 0.346 | 1499. | 2.1 |
| 202 | 204.0 | 11.545 | 35.443 | 3.99 | 0.12 | 27.020 | 0.348 | 1499. | 2.4 |
| 204 | 206.0 | 11.433 | 35.423 | 4.01 | 0.13 | 27.026 | 0.350 | 1499. | 2.6 |
| 206 | 207.9 | 11.379 | 35.420 | 4.03 | 0.14 | 27.033 | 0.352 | 1499. | 2.9 |
| 208 | 210.0 | 11.349 | 35.419 | 4.06 | 0.14 | 27.038 | 0.354 | 1499. | 3.4 |
| 210 | 212.0 | 11.330 | 35.419 | 4.07 | 0.14 | 27.042 | 0.356 | 1499. | 3.7 |
| 212 | 214.1 | 11.254 | 35.410 | 4.08 | 0.14 | 27.049 | 0.359 | 1498. | 3.9 |
| 214 | 216.0 | 11.138 | 35.397 | 4.12 | 0.15 | 27.060 | 0.361 | 1498. | 4.1 |
| 216 | 218.0 | 10.993 | 35.387 | 4.11 | 0.16 | 27.079 | 0.363 | 1497. | 4.4 |
| 218 | 220.0 | 10.944 | 35.385 | 4.10 | 0.16 | 27.086 | 0.365 | 1497. | 4.4 |
| 220 | 222.0 | 10.850 | 35.378 | 4.12 | 0.16 | 27.098 | 0.367 | 1497. | 4.3 |
| 222 | 224.0 | 10.698 | 35.361 | 4.16 | 0.16 | 27.112 | 0.369 | 1496. | 4.0 |
| 224 | 226.0 | 10.604 | 35.360 | 4.17 | 0.16 | 27.128 | 0.371 | 1496. | 3.7 |
| 226 | 228.1 | 10.591 | 35.361 | 4.17 | 0.15 | 27.131 | 0.373 | 1496. | 3.6 |
| 228 | 230.0 | 10.579 | 35.361 | 4.13 | 0.15 | 27.133 | 0.375 | 1496. | 3.5 |
| 230 | 231.9 | 10.536 | 35.355 | 4.13 | 0.15 | 27.136 | 0.376 | 1496. | 3.5 |
| 232 | 234.0 | 10.423 | 35.342 | 4.15 | 0.16 | 27.146 | 0.378 | 1496. | 3.8 |
| 234 | 236.1 | 10.347 | 35.340 | 4.17 | 0.16 | 27.158 | 0.380 | 1495. | 4.1 |
| 236 | 237.9 | 10.265 | 35.331 | 4.17 | 0.16 | 27.165 | 0.382 | 1495. | 4.4 |
| 238 | 240.0 | 10.111 | 35.318 | 4.21 | 0.17 | 27.182 | 0.384 | 1495. | 4.6 |
| 240 | 242.0 | 9.962 | 35.305 | 4.26 | 0.17 | 27.197 | 0.386 | 1494. | 4.6 |
| 242 | 244.0 | 9.873 | 35.302 | 4.26 | 0.17 | 27.210 | 0.388 | 1494. | 4.8 |
| 244 | 246.0 | 9.764 | 35.293 | 4.30 | 0.17 | 27.222 | 0.390 | 1493. | 5.1 |
| 246 | 248.0 | 9.674 | 35.289 | 4.32 | 0.18 | 27.234 | 0.391 | 1493. | 5.2 |
| 248 | 250.0 | 9.551 | 35.276 | 4.35 | 0.18 | 27.244 | 0.393 | 1493. | 5.1 |
| 250 | 252.0 | 9.188 | 35.242 | 4.39 | 0.18 | 27.277 | 0.395 | 1491. | 5.0 |
| 252 | 254.0 | 9.014 | 35.234 | 4.42 | 0.18 | 27.300 | 0.396 | 1491. | 4.7 |
| 254 | 256.0 | 8.963 | 35.235 | 4.46 | 0.18 | 27.308 | 0.398 | 1491. | 4.4 |
| 256 | 258.0 | 8.939 | 35.235 | 4.47 | 0.18 | 27.312 | 0.400 | 1491. | 4.1 |
| 258 | 260.0 | 8.929 | 35.234 | 4.45 | 0.18 | 27.314 | 0.401 | 1490. | 3.8 |
| 260 | 262.0 | 8.859 | 35.227 | 4.46 | 0.18 | 27.319 | 0.403 | 1490. | 3.8 |
| 262 | 264.1 | 8.707 | 35.210 | 4.51 | 0.18 | 27.330 | 0.405 | 1490. | 4.0 |
| 264 | 266.0 | 8.533 | 35.198 | 4.56 | 0.18 | 27.348 | 0.406 | 1489. | 4.3 |
| 266 | 268.0 | 8.464 | 35.198 | 4.52 | 0.18 | 27.359 | 0.408 | 1489. | 4.5 |
| 268 | 270.0 | 8.377 | 35.191 | 4.54 | 0.18 | 27.366 | 0.409 | 1489. | 4.5 |
| 270 | 272.0 | 8.195 | 35.173 | 4.57 | 0.18 | 27.381 | 0.411 | 1488. | 4.5 |
| 272 | 274.1 | 8.053 | 35.163 | 4.61 | 0.18 | 27.394 | 0.412 | 1487. | 4.3 |
| 274 | 276.0 | 7.959 | 35.159 | 4.65 | 0.18 | 27.406 | 0.413 | 1487. | 4.1 |
| 276 | 278.0 | 7.840 | 35.151 | 4.65 | 0.18 | 27.417 | 0.415 | 1487. | 3.9 |
| 278 | 280.1 | 7.753 | 35.147 | 4.67 | 0.18 | 27.426 | 0.416 | 1486. | 3.6 |
| 280 | 281.9 | 7.729 | 35.147 | 4.73 | 0.18 | 27.430 | 0.418 | 1486. | 3.3 |
| 282 | 284.0 | 7.713 | 35.147 | 4.73 | 0.18 | 27.433 | 0.419 | 1486. | 3.0 |
| 284 | 286.1 | 7.615 | 35.136 | 4.71 | 0.18 | 27.438 | 0.420 | 1486. | 2.8 |
| 286 | 288.0 | 7.569 | 35.135 | 4.75 | 0.18 | 27.444 | 0.422 | 1486. | 2.8 |
| 288 | 290.0 | 7.523 | 35.132 | 4.78 | 0.18 | 27.449 | 0.423 | 1486. | 2.9 |
| 290 | 292.0 | 7.496 | 35.131 | 4.77 | 0.18 | 27.451 | 0.424 | 1486. | 3.0 |
| 292 | 294.1 | 7.417 | 35.118 | 4.79 | 0.18 | 27.452 | 0.426 | 1485. | 3.0 |
| 293 | 295.9 | 7.299 | 35.112 | 4.79 | 0.18 | 27.465 | 0.427 | 1485. | 2.9 |
| 295 | 297.9 | 7.264 | 35.114 | 4.80 | 0.18 | 27.471 | 0.428 | 1485. | 2.9 |
| 298 | 300.0 | 7.231 | 35.110 | 4.81 | 0.20 | 27.473 | 0.430 | 1485. | 3.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 68 | 14 JUL 1982 | 0916 | 40°28.3'N | 68°09.0'W | 380 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYNT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 299 | 302.0 | 7.177 | 35.107 | 4.84 | 0.18 | 27.479 | 0.431 | 1484. | 2.9 |
| 301 | 304.0 | 7.143 | 35.105 | 4.84 | 0.18 | 27.481 | 0.432 | 1484. | 2.7 |
| 303 | 306.0 | 7.047 | 35.094 | 4.85 | 0.19 | 27.486 | 0.434 | 1484. | 2.7 |
| 306 | 308.2 | 6.999 | 35.097 | 4.86 | 0.21 | 27.495 | 0.435 | 1484. | 2.6 |
| 307 | 309.9 | 6.992 | 35.097 | 4.88 | 0.21 | 27.497 | 0.436 | 1484. | 2.4 |
| 309 | 311.3 | 6.989 | 35.098 | 4.66 | 0.19 | 27.498 | 0.437 | 1484. | 2.2 |
| 309 | 312.0 | 6.988 | 35.097 | 4.86 | 0.19 | 27.497 | 0.437 | 1484. | 1.9 |
| 310 | 313.0 | 6.984 | 35.097 | 4.87 | 0.18 | 27.498 | 0.438 | 1484. | 1.5 |
| 311 | 314.0 | 6.972 | 35.095 | 4.86 | 0.18 | 27.498 | 0.439 | 1484. | 1.8 |
| 312 | 315.0 | 6.964 | 35.095 | 4.85 | 0.18 | 27.499 | 0.439 | 1484. | 2.3 |
| 313 | 316.0 | 6.927 | 35.090 | 4.89 | 0.18 | 27.500 | 0.440 | 1484. | 2.7 |
| 314 | 317.0 | 6.907 | 35.088 | 4.89 | 0.18 | 27.501 | 0.440 | 1484. | 3.0 |
| 315 | 318.0 | 6.833 | 35.080 | 4.87 | 0.18 | 27.505 | 0.441 | 1483. | 3.3 |
| 316 | 319.0 | 6.780 | 35.077 | 4.90 | 0.18 | 27.510 | 0.442 | 1483. | 3.5 |
| 317 | 320.0 | 6.748 | 35.078 | 4.92 | 0.18 | 27.515 | 0.442 | 1483. | 3.5 |
| 318 | 321.0 | 6.704 | 35.073 | 4.94 | 0.18 | 27.518 | 0.443 | 1483. | 3.4 |
| 319 | 322.0 | 6.686 | 35.075 | 4.91 | 0.19 | 27.522 | 0.444 | 1483. | 3.1 |
| 320 | 323.0 | 6.660 | 35.074 | 4.91 | 0.19 | 27.524 | 0.444 | 1483. | 2.9 |
| 321 | 324.0 | 6.641 | 35.073 | 4.91 | 0.19 | 27.526 | 0.445 | 1483. | 2.7 |
| 322 | 325.0 | 6.624 | 35.072 | 4.94 | 0.18 | 27.527 | 0.445 | 1483. | 2.7 |
| 323 | 326.0 | 6.575 | 35.065 | 4.99 | 0.18 | 27.529 | 0.446 | 1482. | 2.6 |
| 324 | 327.0 | 6.558 | 35.067 | 4.98 | 0.18 | 27.532 | 0.447 | 1482. | 2.6 |
| 325 | 328.0 | 6.527 | 35.062 | 4.98 | 0.18 | 27.533 | 0.447 | 1482. | 2.6 |
| 326 | 329.0 | 6.510 | 35.062 | 4.96 | 0.18 | 27.535 | 0.448 | 1482. | 2.6 |
| 327 | 330.0 | 6.483 | 35.060 | 5.00 | 0.18 | 27.537 | 0.448 | 1482. | 2.6 |

STA 69 DAY: 14 TIME: 1041

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|
| 1.0 | 21.8 | 30.2 | 18.5 | 65.1 | 16.0 | 99.9 | 12.8 |
| 1.9 | 21.7 | 30.2 | 18.4 | 66.0 | 16.0 | 100.8 | 12.7 |
| 1.9 | 21.7 | 31.1 | 18.3 | 67.0 | 15.9 | 101.8 | 12.6 |
| 1.9 | 21.6 | 31.1 | 18.2 | 68.0 | 15.9 | 102.8 | 12.5 |
| 3.9 | 21.5 | 32.1 | 18.2 | 68.0 | 15.9 | 103.7 | 12.5 |
| 3.9 | 21.5 | 33.1 | 18.2 | 69.9 | 15.8 | 105.6 | 12.5 |
| 3.9 | 21.5 | 33.1 | 18.1 | 70.9 | 15.8 | 106.6 | 12.5 |
| 4.9 | 21.5 | 33.1 | 18.1 | 70.9 | 15.7 | 107.6 | 12.5 |
| 5.8 | 21.5 | 34.1 | 18.1 | 70.9 | 15.6 | 109.5 | 12.4 |
| 6.8 | 21.4 | 34.1 | 18.0 | 71.9 | 15.5 | 110.5 | 12.4 |
| 6.8 | 21.4 | 34.1 | 18.0 | 71.9 | 15.4 | 112.4 | 12.4 |
| 6.8 | 21.3 | 35.0 | 17.9 | 71.9 | 15.3 | 113.4 | 12.4 |
| 6.8 | 21.2 | 35.0 | 17.8 | 72.8 | 15.1 | 115.3 | 12.4 |
| 7.8 | 21.1 | 35.0 | 17.7 | 72.8 | 15.0 | 116.2 | 12.4 |
| 7.8 | 21.0 | 36.0 | 17.7 | 72.8 | 14.9 | 117.2 | 12.4 |
| 7.8 | 20.9 | 36.0 | 17.6 | 73.8 | 14.9 | 118.2 | 12.4 |
| 7.8 | 20.8 | 37.0 | 17.5 | 74.8 | 14.9 | 120.1 | 12.4 |
| 8.8 | 20.8 | 37.0 | 17.5 | 74.8 | 14.8 | 121.1 | 12.4 |
| 9.7 | 20.7 | 37.9 | 17.4 | 75.7 | 14.8 | 122.0 | 12.4 |
| 10.7 | 20.7 | 38.9 | 17.3 | 75.7 | 14.7 | 123.9 | 12.4 |
| 11.7 | 20.7 | 38.9 | 17.3 | 75.7 | 14.6 | 123.9 | 12.3 |
| 12.7 | 20.6 | 39.9 | 17.3 | 77.7 | 14.6 | 124.9 | 12.3 |
| 14.6 | 20.6 | 40.9 | 17.2 | 78.6 | 14.5 | 124.9 | 12.3 |
| 15.6 | 20.5 | 41.8 | 17.1 | 80.6 | 14.5 | 125.9 | 12.2 |
| 16.6 | 20.4 | 41.3 | 17.1 | 80.6 | 14.4 | 125.9 | 12.2 |
| 17.5 | 20.4 | 43.8 | 17.0 | 80.6 | 14.3 | 126.8 | 12.1 |
| 17.5 | 20.3 | 44.7 | 16.9 | 81.5 | 14.3 | 127.8 | 12.1 |
| 18.5 | 20.2 | 45.7 | 16.9 | 81.5 | 14.2 | 128.7 | 12.0 |
| 19.5 | 20.1 | 47.6 | 16.9 | 82.5 | 14.1 | 129.7 | 12.0 |
| 20.4 | 20.1 | 48.6 | 16.8 | 83.5 | 14.1 | 130.7 | 11.9 |
| 20.4 | 20.0 | 49.6 | 16.8 | 84.4 | 14.0 | 132.6 | 11.9 |
| 21.4 | 20.0 | 50.6 | 16.8 | 85.4 | 14.0 | 134.5 | 11.9 |
| 22.4 | 19.9 | 51.5 | 16.7 | 87.3 | 14.0 | 134.5 | 11.8 |
| 22.4 | 19.8 | 52.5 | 16.7 | 88.3 | 13.9 | 135.5 | 11.7 |
| 23.4 | 19.7 | 52.5 | 16.6 | 89.2 | 13.9 | 136.4 | 11.7 |
| 24.3 | 19.7 | 52.5 | 16.5 | 90.2 | 13.9 | 137.4 | 11.6 |
| 24.3 | 19.6 | 53.5 | 16.5 | 91.2 | 13.7 | 138.3 | 11.5 |
| 25.3 | 19.6 | 53.5 | 16.4 | 91.2 | 13.6 | 139.3 | 11.5 |
| 26.3 | 19.4 | 54.4 | 16.3 | 91.2 | 13.6 | 140.3 | 11.5 |
| 26.3 | 19.3 | 55.4 | 16.2 | 92.1 | 13.5 | | |
| 26.3 | 19.2 | 56.4 | 16.2 | 92.1 | 13.4 | | |
| 26.3 | 19.1 | 57.3 | 16.1 | 92.1 | 13.3 | | |
| 26.3 | 19.0 | 58.3 | 16.1 | 92.1 | 13.2 | | |
| 27.3 | 19.0 | 60.2 | 16.0 | 93.1 | 13.2 | | |
| 27.3 | 18.8 | 61.2 | 16.0 | 94.1 | 13.1 | | |
| 27.3 | 18.7 | 62.2 | 16.0 | 95.0 | 13.0 | | |
| 28.2 | 18.7 | 63.1 | 16.0 | 97.0 | 13.0 | | |
| 28.2 | 18.6 | 64.1 | 16.1 | 97.9 | 13.0 | | |
| 28.2 | 18.6 | 64.1 | 16.1 | 98.9 | 12.9 | | |
| 29.2 | 18.5 | 65.1 | 16.1 | 98.9 | 12.8 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 70 | 14 JUL 1982 | 0954 | 40°24.9'N | 68°11.0'W | 140 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.0 | 21.382 | 34.988 | 5.21 | 0.25 | 24.382 | 0.000 | 1525. | 11.5 |
| 2 | 1.7 | 21.242 | 35.025 | 5.18 | 0.25 | 24.448 | 0.003 | 1525. | 11.5 |
| 4 | 4.0 | 21.049 | 35.035 | 5.27 | 0.25 | 24.509 | 0.010 | 1524. | 11.5 |
| 6 | 6.1 | 20.705 | 35.117 | 5.39 | 0.27 | 24.664 | 0.017 | 1524. | 11.5 |
| 8 | 8.0 | 20.612 | 35.247 | 5.43 | 0.28 | 24.788 | 0.024 | 1524. | 11.5 |
| 10 | 10.0 | 20.547 | 35.395 | 5.45 | 0.27 | 24.919 | 0.030 | 1524. | 10.6 |
| 12 | 12.0 | 20.522 | 35.405 | 5.45 | 0.28 | 24.933 | 0.036 | 1524. | 10.0 |
| 14 | 14.0 | 20.492 | 35.413 | 5.45 | 0.28 | 24.947 | 0.042 | 1524. | 9.0 |
| 16 | 16.0 | 20.362 | 35.393 | 5.47 | 0.30 | 24.966 | 0.048 | 1523. | 8.4 |
| 18 | 17.9 | 19.860 | 35.255 | 5.54 | 0.31 | 24.994 | 0.054 | 1522. | 8.3 |
| 20 | 20.0 | 19.192 | 35.170 | 5.60 | 0.34 | 25.103 | 0.060 | 1520. | 8.7 |
| 22 | 22.0 | 19.134 | 35.208 | 5.68 | 0.35 | 25.147 | 0.065 | 1520. | 8.8 |
| 24 | 24.0 | 18.997 | 35.214 | 5.75 | 0.35 | 25.186 | 0.071 | 1519. | 8.8 |
| 26 | 26.0 | 18.648 | 35.178 | 5.80 | 0.36 | 25.248 | 0.076 | 1518. | 8.7 |
| 28 | 27.9 | 18.570 | 35.183 | 5.83 | 0.36 | 25.272 | 0.082 | 1518. | 8.5 |
| 30 | 30.0 | 18.380 | 35.165 | 5.87 | 0.36 | 25.305 | 0.087 | 1518. | 8.7 |
| 32 | 31.9 | 18.040 | 35.132 | 5.90 | 0.36 | 25.364 | 0.092 | 1517. | 9.1 |
| 34 | 34.1 | 17.806 | 35.137 | 5.89 | 0.35 | 25.425 | 0.098 | 1516. | 9.2 |
| 36 | 35.9 | 17.718 | 35.170 | 5.93 | 0.34 | 25.472 | 0.102 | 1516. | 9.5 |
| 38 | 38.0 | 17.609 | 35.221 | 5.85 | 0.33 | 25.538 | 0.108 | 1516. | 9.8 |
| 40 | 40.0 | 17.420 | 35.275 | 5.88 | 0.33 | 25.626 | 0.112 | 1515. | 9.9 |
| 42 | 42.0 | 17.355 | 35.280 | 5.87 | 0.33 | 25.645 | 0.117 | 1515. | 9.9 |
| 44 | 44.0 | 17.152 | 35.294 | 5.82 | 0.35 | 25.705 | 0.122 | 1514. | 9.6 |
| 46 | 46.1 | 16.782 | 35.326 | 5.85 | 0.34 | 25.817 | 0.126 | 1513. | 9.2 |
| 48 | 47.9 | 16.686 | 35.341 | 5.77 | 0.32 | 25.852 | 0.130 | 1513. | 9.0 |
| 50 | 50.1 | 16.525 | 35.364 | 5.66 | 0.28 | 25.907 | 0.135 | 1513. | 9.4 |
| 52 | 51.9 | 16.502 | 35.371 | 5.58 | 0.27 | 25.918 | 0.139 | 1513. | 9.6 |
| 54 | 54.0 | 16.416 | 35.382 | 5.46 | 0.25 | 25.946 | 0.143 | 1512. | 9.9 |
| 56 | 55.9 | 16.080 | 35.390 | 5.45 | 0.23 | 26.030 | 0.147 | 1511. | 10.3 |
| 58 | 58.0 | 15.484 | 35.377 | 5.42 | 0.20 | 26.156 | 0.151 | 1510. | 10.4 |
| 59 | 59.9 | 15.247 | 35.391 | 5.28 | 0.18 | 26.220 | 0.155 | 1509. | 10.2 |
| 62 | 62.0 | 15.188 | 35.507 | 5.16 | 0.16 | 26.322 | 0.158 | 1509. | 9.6 |
| 63 | 64.0 | 15.173 | 35.532 | 4.95 | 0.15 | 26.345 | 0.162 | 1509. | 8.6 |
| 66 | 66.0 | 15.146 | 35.552 | 4.80 | 0.14 | 26.366 | 0.165 | 1509. | 7.6 |
| 67 | 68.0 | 15.007 | 35.550 | 4.76 | 0.14 | 26.395 | 0.168 | 1508. | 6.8 |
| 69 | 70.0 | 14.817 | 35.526 | 4.71 | 0.14 | 26.419 | 0.172 | 1508. | 6.3 |
| 71 | 72.0 | 14.535 | 35.472 | 4.74 | 0.13 | 26.439 | 0.175 | 1507. | 6.4 |
| 73 | 74.0 | 14.250 | 35.437 | 4.75 | 0.13 | 26.473 | 0.178 | 1506. | 6.3 |
| 75 | 76.0 | 14.041 | 35.398 | 4.79 | 0.13 | 26.487 | 0.181 | 1505. | 6.1 |
| 77 | 78.0 | 13.548 | 35.309 | 4.79 | 0.13 | 26.521 | 0.184 | 1504. | 6.0 |
| 79 | 80.1 | 13.363 | 35.296 | 4.84 | 0.13 | 26.549 | 0.187 | 1503. | 6.1 |
| 81 | 82.0 | 13.343 | 35.304 | 4.78 | 0.13 | 26.559 | 0.190 | 1503. | 6.0 |
| 84 | 84.2 | 13.331 | 35.316 | 4.75 | 0.13 | 26.571 | 0.193 | 1503. | 5.9 |
| 85 | 85.8 | 13.109 | 35.298 | 4.81 | 0.13 | 26.602 | 0.196 | 1502. | 5.7 |
| 87 | 88.0 | 12.725 | 35.244 | 4.81 | 0.14 | 26.637 | 0.199 | 1501. | 5.4 |
| 89 | 90.0 | 12.558 | 35.213 | 4.80 | 0.14 | 26.646 | 0.202 | 1500. | 5.2 |
| 91 | 92.1 | 12.494 | 35.220 | 4.72 | 0.14 | 26.665 | 0.205 | 1500. | 4.8 |
| 93 | 93.9 | 12.482 | 35.226 | 4.74 | 0.14 | 26.672 | 0.207 | 1500. | 4.5 |
| 95 | 96.1 | 12.537 | 35.253 | 4.67 | 0.14 | 26.682 | 0.210 | 1501. | 4.5 |
| 97 | 98.0 | 12.548 | 35.260 | 4.67 | 0.13 | 26.685 | 0.213 | 1501. | 4.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 70 | 14 JUL 1982 | 0954 | 40°24.9'N | 68°11.0'W | 140 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 12.655 | 35.306 | 4.65 | 0.13 | 26.700 | 0.216 | 1501. | 4.8 |
| 101 | 102.0 | 12.702 | 35.352 | 4.68 | 0.12 | 26.726 | 0.218 | 1501. | 5.0 |
| 103 | 104.0 | 12.671 | 35.369 | 4.62 | 0.12 | 26.745 | 0.221 | 1501. | 5.1 |
| 105 | 106.0 | 12.617 | 35.373 | 4.61 | 0.12 | 26.759 | 0.223 | 1501. | 5.2 |
| 107 | 108.1 | 12.550 | 35.373 | 4.58 | 0.13 | 26.772 | 0.226 | 1501. | 5.0 |
| 109 | 109.9 | 12.487 | 35.382 | 4.55 | 0.13 | 26.792 | 0.229 | 1501. | 4.7 |
| 111 | 112.0 | 12.507 | 35.404 | 4.51 | 0.13 | 26.805 | 0.231 | 1501. | 4.8 |
| 113 | 114.0 | 12.486 | 35.417 | 4.50 | 0.13 | 26.819 | 0.234 | 1501. | 4.9 |
| 115 | 115.9 | 12.472 | 35.420 | 4.41 | 0.13 | 26.824 | 0.236 | 1501. | 5.0 |
| 117 | 118.1 | 12.429 | 35.426 | 4.41 | 0.13 | 26.837 | 0.239 | 1501. | 5.0 |
| 119 | 120.0 | 12.212 | 35.414 | 4.43 | 0.13 | 26.870 | 0.241 | 1500. | 5.1 |
| 120 | 121.3 | 12.159 | 35.414 | 4.39 | 0.13 | 26.881 | 0.243 | 1500. | 5.1 |
| 121 | 122.0 | 12.132 | 35.413 | 4.35 | 0.13 | 26.885 | 0.244 | 1500. | 5.1 |
| 122 | 123.0 | 12.102 | 35.412 | 4.34 | 0.13 | 26.890 | 0.245 | 1500. | 4.7 |
| 123 | 124.0 | 12.076 | 35.412 | 4.35 | 0.13 | 26.895 | 0.246 | 1500. | 3.8 |
| 124 | 125.0 | 12.061 | 35.413 | 4.35 | 0.14 | 26.898 | 0.247 | 1500. | 3.7 |
| 125 | 126.0 | 12.038 | 35.411 | 4.33 | 0.14 | 26.902 | 0.248 | 1500. | 3.6 |
| 126 | 127.0 | 12.017 | 35.410 | 4.29 | 0.14 | 26.905 | 0.249 | 1499. | 3.6 |
| 127 | 128.0 | 11.992 | 35.409 | 4.26 | 0.14 | 26.909 | 0.251 | 1499. | 4.0 |
| 128 | 129.0 | 11.966 | 35.410 | 4.29 | 0.14 | 26.915 | 0.252 | 1499. | 4.4 |
| 129 | 130.0 | 11.946 | 35.412 | 4.27 | 0.14 | 26.920 | 0.253 | 1499. | 4.7 |
| 130 | 131.0 | 11.937 | 35.414 | 4.25 | 0.14 | 26.924 | 0.254 | 1499. | 4.7 |
| 131 | 132.0 | 11.885 | 35.420 | 4.27 | 0.14 | 26.938 | 0.255 | 1499. | 4.6 |
| 132 | 133.0 | 11.843 | 35.424 | 4.25 | 0.13 | 26.949 | 0.256 | 1499. | 4.4 |
| 133 | 134.0 | 11.824 | 35.427 | 4.25 | 0.14 | 26.955 | 0.257 | 1499. | 4.2 |
| 134 | 135.0 | 11.824 | 35.426 | 4.24 | 0.14 | 26.954 | 0.259 | 1499. | 4.2 |
| 135 | 136.0 | 11.825 | 35.426 | 4.19 | 0.14 | 26.954 | 0.260 | 1499. | 4.2 |
| 136 | 137.0 | 11.801 | 35.427 | 4.15 | 0.14 | 26.960 | 0.261 | 1499. | 4.2 |
| 137 | 138.0 | 11.771 | 35.427 | 4.15 | 0.14 | 26.965 | 0.262 | 1499. | 4.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 71 | 14 JUL 1982 | 1014 | 40°25.0'N | 68°10.1'W | 150 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.2 | 21.849 | 34.955 | 5.24 | 0.22 | 24.227 | 0.000 | 1526. | 11.8 |
| 4 | 4.0 | 21.770 | 34.956 | 5.24 | 0.23 | 24.250 | 0.007 | 1526. | 11.8 |
| 6 | 6.0 | 21.614 | 34.952 | 5.27 | 0.23 | 24.290 | 0.014 | 1526. | 11.8 |
| 8 | 8.1 | 21.205 | 34.930 | 5.34 | 0.24 | 24.386 | 0.021 | 1525. | 11.8 |
| 10 | 9.9 | 20.846 | 34.952 | 5.42 | 0.26 | 24.501 | 0.028 | 1524. | 11.8 |
| 12 | 12.0 | 20.765 | 35.025 | 5.40 | 0.27 | 24.578 | 0.035 | 1524. | 12.2 |
| 14 | 14.0 | 20.778 | 35.110 | 5.44 | 0.27 | 24.639 | 0.041 | 1524. | 12.2 |
| 16 | 16.0 | 20.621 | 35.292 | 5.44 | 0.28 | 24.820 | 0.048 | 1524. | 11.9 |
| 18 | 17.9 | 20.520 | 35.336 | 5.47 | 0.28 | 24.881 | 0.054 | 1524. | 11.2 |
| 20 | 20.0 | 20.331 | 35.362 | 5.49 | 0.29 | 24.952 | 0.060 | 1523. | 10.5 |
| 22 | 22.0 | 20.155 | 35.393 | 5.54 | 0.30 | 25.021 | 0.066 | 1523. | 9.7 |
| 24 | 24.0 | 19.903 | 35.386 | 5.61 | 0.31 | 25.083 | 0.072 | 1522. | 9.4 |
| 26 | 26.0 | 19.818 | 35.379 | 5.62 | 0.32 | 25.100 | 0.078 | 1522. | 9.9 |
| 28 | 28.0 | 19.767 | 35.378 | 5.67 | 0.32 | 25.112 | 0.083 | 1522. | 10.6 |
| 30 | 29.9 | 19.512 | 35.357 | 5.74 | 0.33 | 25.163 | 0.089 | 1521. | 11.1 |
| 32 | 32.1 | 18.585 | 35.290 | 5.83 | 0.35 | 25.349 | 0.095 | 1518. | 11.4 |
| 34 | 34.0 | 18.091 | 35.244 | 5.93 | 0.36 | 25.437 | 0.100 | 1517. | 11.6 |
| 36 | 35.9 | 17.667 | 35.253 | 5.94 | 0.35 | 25.548 | 0.104 | 1516. | 11.6 |
| 38 | 38.1 | 17.485 | 35.276 | 5.90 | 0.34 | 25.611 | 0.110 | 1515. | 11.1 |
| 40 | 40.0 | 17.447 | 35.299 | 5.85 | 0.34 | 25.638 | 0.114 | 1515. | 10.3 |
| 42 | 42.0 | 17.254 | 35.323 | 5.80 | 0.35 | 25.703 | 0.119 | 1515. | 10.1 |
| 44 | 44.0 | 16.974 | 35.353 | 5.74 | 0.34 | 25.793 | 0.123 | 1514. | 9.8 |
| 46 | 46.0 | 16.844 | 35.367 | 5.64 | 0.32 | 25.834 | 0.128 | 1514. | 9.7 |
| 48 | 48.0 | 16.639 | 35.414 | 5.56 | 0.28 | 25.919 | 0.132 | 1513. | 9.5 |
| 50 | 50.1 | 16.470 | 35.443 | 5.51 | 0.26 | 25.980 | 0.136 | 1513. | 9.1 |
| 51 | 51.9 | 16.302 | 35.431 | 5.44 | 0.24 | 26.010 | 0.140 | 1512. | 8.7 |
| 54 | 54.1 | 16.095 | 35.429 | 5.35 | 0.23 | 26.057 | 0.144 | 1511. | 8.5 |
| 56 | 56.0 | 15.994 | 35.435 | 5.24 | 0.22 | 26.085 | 0.148 | 1511. | 8.2 |
| 58 | 58.0 | 15.867 | 35.464 | 5.11 | 0.20 | 26.136 | 0.152 | 1511. | 8.0 |
| 60 | 60.1 | 15.796 | 35.493 | 5.00 | 0.19 | 26.174 | 0.156 | 1511. | 8.0 |
| 62 | 62.0 | 15.699 | 35.533 | 4.92 | 0.18 | 26.228 | 0.159 | 1510. | 7.9 |
| 63 | 64.0 | 15.483 | 35.526 | 4.89 | 0.17 | 26.271 | 0.163 | 1510. | 7.7 |
| 65 | 66.0 | 15.312 | 35.494 | 4.84 | 0.16 | 26.285 | 0.166 | 1509. | 7.4 |
| 67 | 68.0 | 14.972 | 35.466 | 4.82 | 0.16 | 26.338 | 0.170 | 1508. | 7.1 |
| 70 | 70.1 | 14.689 | 35.415 | 4.81 | 0.15 | 26.361 | 0.173 | 1507. | 6.6 |
| 71 | 71.9 | 14.440 | 35.377 | 4.80 | 0.15 | 26.386 | 0.176 | 1507. | 6.2 |
| 74 | 74.1 | 14.101 | 35.321 | 4.82 | 0.14 | 26.414 | 0.180 | 1505. | 6.1 |
| 75 | 75.9 | 13.966 | 35.302 | 4.79 | 0.14 | 26.429 | 0.183 | 1505. | 5.8 |
| 77 | 78.0 | 13.837 | 35.282 | 4.78 | 0.14 | 26.440 | 0.186 | 1505. | 5.8 |
| 79 | 80.0 | 13.562 | 35.223 | 4.76 | 0.14 | 26.451 | 0.189 | 1504. | 5.7 |
| 81 | 82.0 | 13.059 | 35.145 | 4.79 | 0.14 | 26.494 | 0.192 | 1502. | 5.7 |
| 83 | 84.0 | 12.838 | 35.118 | 4.79 | 0.14 | 26.517 | 0.196 | 1501. | 5.7 |
| 85 | 86.0 | 12.709 | 35.104 | 4.78 | 0.14 | 26.532 | 0.198 | 1501. | 5.5 |
| 87 | 88.1 | 12.643 | 35.102 | 4.78 | 0.14 | 26.543 | 0.202 | 1501. | 5.2 |
| 89 | 90.0 | 12.621 | 35.128 | 4.75 | 0.14 | 26.568 | 0.204 | 1501. | 4.5 |
| 91 | 92.0 | 12.644 | 35.151 | 4.73 | 0.14 | 26.582 | 0.207 | 1501. | 4.1 |
| 93 | 94.1 | 12.655 | 35.161 | 4.75 | 0.14 | 26.587 | 0.211 | 1501. | 3.7 |
| 95 | 95.9 | 12.663 | 35.168 | 4.74 | 0.14 | 26.591 | 0.213 | 1501. | 3.5 |
| 97 | 98.1 | 12.669 | 35.176 | 4.73 | 0.14 | 26.596 | 0.216 | 1501. | 3.6 |
| 99 | 100.0 | 12.672 | 35.182 | 4.72 | 0.14 | 26.600 | 0.219 | 1501. | 3.9 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 71 | 14 JUL 1982 | 1014 | 40°25.0'N | 68°10.1'W | 150 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 12.672 | 35.186 | 4.71 | 0.14 | 26.603 | 0.222 | 1501. | 4.4 |
| 103 | 104.0 | 12.683 | 35.215 | 4.68 | 0.13 | 26.623 | 0.225 | 1501. | 4.9 |
| 105 | 106.1 | 12.715 | 35.255 | 4.67 | 0.13 | 26.648 | 0.228 | 1501. | 5.5 |
| 107 | 107.9 | 12.744 | 35.278 | 4.62 | 0.13 | 26.660 | 0.230 | 1501. | 5.8 |
| 109 | 110.0 | 12.723 | 35.310 | 4.58 | 0.13 | 26.689 | 0.233 | 1501. | 5.9 |
| 111 | 112.0 | 12.691 | 35.327 | 4.53 | 0.13 | 26.709 | 0.236 | 1501. | 5.7 |
| 113 | 114.0 | 12.616 | 35.354 | 4.52 | 0.13 | 26.744 | 0.239 | 1501. | 5.4 |
| 115 | 116.1 | 12.546 | 35.359 | 4.52 | 0.13 | 26.762 | 0.242 | 1501. | 5.0 |
| 117 | 117.9 | 12.522 | 35.360 | 4.49 | 0.14 | 26.768 | 0.244 | 1501. | 4.7 |
| 119 | 120.0 | 12.490 | 35.362 | 4.47 | 0.14 | 26.776 | 0.247 | 1501. | 4.6 |
| 121 | 122.0 | 12.476 | 35.365 | 4.45 | 0.14 | 26.781 | 0.249 | 1501. | 4.7 |
| 123 | 123.9 | 12.425 | 35.362 | 4.38 | 0.14 | 26.788 | 0.252 | 1501. | 4.9 |
| 125 | 126.1 | 12.278 | 35.358 | 4.37 | 0.14 | 26.814 | 0.254 | 1500. | 5.3 |
| 127 | 128.0 | 12.179 | 35.366 | 4.36 | 0.14 | 26.840 | 0.257 | 1500. | 5.5 |
| 129 | 130.0 | 12.093 | 35.375 | 4.33 | 0.14 | 26.863 | 0.259 | 1500. | 5.7 |
| 131 | 132.0 | 12.030 | 35.379 | 4.29 | 0.14 | 26.878 | 0.262 | 1500. | 5.8 |
| 133 | 134.0 | 11.925 | 35.379 | 4.25 | 0.14 | 26.899 | 0.264 | 1499. | 5.7 |
| 135 | 136.1 | 11.850 | 35.387 | 4.22 | 0.14 | 26.919 | 0.266 | 1499. | 5.6 |
| 137 | 138.0 | 11.765 | 35.392 | 4.17 | 0.14 | 26.939 | 0.269 | 1499. | 5.5 |
| 139 | 140.0 | 11.666 | 35.397 | 4.10 | 0.14 | 26.962 | 0.271 | 1498. | 5.4 |
| 140 | 141.3 | 11.634 | 35.400 | 4.05 | 0.14 | 26.970 | 0.272 | 1498. | 5.1 |
| 141 | 142.0 | 11.620 | 35.401 | 4.02 | 0.14 | 26.973 | 0.273 | 1498. | 4.7 |
| 142 | 143.0 | 11.602 | 35.405 | 3.96 | 0.14 | 26.980 | 0.274 | 1498. | 4.1 |
| 143 | 144.0 | 11.593 | 35.407 | 3.91 | 0.14 | 26.983 | 0.275 | 1498. | 4.1 |
| 144 | 145.0 | 11.587 | 35.407 | 3.94 | 0.14 | 26.985 | 0.276 | 1498. | 4.1 |
| 145 | 146.0 | 11.581 | 35.409 | 3.99 | 0.14 | 26.987 | 0.278 | 1498. | 4.1 |
| 146 | 146.8 | 11.574 | 35.409 | 3.98 | 0.14 | 26.988 | 0.278 | 1498. | 4.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 72 | 14 JUL 1982 | 1033 | 40°25.0'N | 68°09.0'W | 235 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 21.983 | 34.884 | 5.22 | 0.29 | 24.136 | 0.000 | 1527. | 8.0 |
| 2 | 2.1 | 21.880 | 34.867 | 5.23 | 0.21 | 24.151 | 0.005 | 1526. | 8.0 |
| 4 | 3.9 | 21.771 | 34.861 | 5.13 | 0.21 | 24.178 | 0.012 | 1526. | 8.0 |
| 6 | 6.0 | 21.586 | 34.860 | 5.04 | 0.22 | 24.228 | 0.020 | 1526. | 8.0 |
| 8 | 7.9 | 21.525 | 34.869 | 5.01 | 0.23 | 24.252 | 0.027 | 1526. | 8.0 |
| 10 | 9.9 | 21.438 | 34.876 | 5.01 | 0.24 | 24.281 | 0.034 | 1525. | 9.0 |
| 12 | 11.9 | 21.352 | 34.886 | 5.06 | 0.24 | 24.312 | 0.041 | 1525. | 10.3 |
| 14 | 14.0 | 21.180 | 34.889 | 5.15 | 0.25 | 24.362 | 0.049 | 1525. | 11.3 |
| 16 | 16.0 | 20.925 | 34.962 | 5.22 | 0.26 | 24.487 | 0.056 | 1524. | 12.1 |
| 18 | 18.0 | 20.793 | 35.058 | 5.32 | 0.26 | 24.596 | 0.062 | 1524. | 12.5 |
| 20 | 20.0 | 20.497 | 35.182 | 5.42 | 0.27 | 24.769 | 0.069 | 1523. | 12.8 |
| 22 | 22.0 | 20.270 | 35.229 | 5.43 | 0.28 | 24.866 | 0.075 | 1523. | 12.9 |
| 24 | 24.0 | 19.963 | 35.213 | 5.52 | 0.30 | 24.936 | 0.081 | 1522. | 12.5 |
| 26 | 26.0 | 19.520 | 35.142 | 5.60 | 0.32 | 24.997 | 0.087 | 1521. | 12.0 |
| 28 | 28.1 | 19.080 | 35.151 | 5.71 | 0.33 | 25.117 | 0.093 | 1520. | 11.4 |
| 30 | 29.9 | 18.845 | 35.201 | 5.78 | 0.33 | 25.216 | 0.098 | 1519. | 11.4 |
| 32 | 32.0 | 18.630 | 35.248 | 5.78 | 0.34 | 25.306 | 0.104 | 1518. | 11.5 |
| 34 | 34.0 | 18.555 | 35.276 | 5.80 | 0.33 | 25.346 | 0.109 | 1518. | 11.2 |
| 36 | 36.0 | 18.414 | 35.308 | 5.81 | 0.33 | 25.406 | 0.114 | 1518. | 10.8 |
| 38 | 38.2 | 17.902 | 35.305 | 5.89 | 0.32 | 25.531 | 0.120 | 1516. | 11.0 |
| 39 | 39.7 | 17.635 | 35.304 | 5.86 | 0.33 | 25.595 | 0.124 | 1516. | 11.4 |
| 42 | 42.0 | 17.516 | 35.333 | 5.71 | 0.34 | 25.647 | 0.129 | 1515. | 11.8 |
| 44 | 44.1 | 17.356 | 35.357 | 5.73 | 0.34 | 25.704 | 0.134 | 1515. | 11.8 |
| 46 | 46.0 | 16.789 | 35.411 | 5.80 | 0.32 | 25.881 | 0.138 | 1513. | 11.6 |
| 48 | 48.0 | 16.518 | 35.440 | 5.62 | 0.27 | 25.967 | 0.142 | 1513. | 11.3 |
| 50 | 50.0 | 16.256 | 35.466 | 5.49 | 0.23 | 26.048 | 0.146 | 1512. | 11.1 |
| 52 | 52.1 | 16.126 | 35.502 | 5.36 | 0.21 | 26.106 | 0.150 | 1512. | 10.3 |
| 54 | 54.0 | 16.000 | 35.523 | 5.20 | 0.20 | 26.151 | 0.154 | 1511. | 9.2 |
| 56 | 55.9 | 15.866 | 35.532 | 5.06 | 0.19 | 26.188 | 0.158 | 1511. | 8.5 |
| 58 | 58.0 | 15.493 | 35.529 | 4.98 | 0.17 | 26.271 | 0.161 | 1510. | 8.0 |
| 60 | 60.1 | 15.347 | 35.507 | 4.90 | 0.16 | 26.287 | 0.165 | 1509. | 7.4 |
| 62 | 62.0 | 15.082 | 35.462 | 4.87 | 0.16 | 26.311 | 0.168 | 1508. | 6.8 |
| 63 | 63.9 | 14.838 | 35.428 | 4.83 | 0.15 | 26.339 | 0.172 | 1508. | 6.2 |
| 65 | 66.0 | 14.566 | 35.391 | 4.83 | 0.15 | 26.369 | 0.175 | 1507. | 5.7 |
| 67 | 68.0 | 14.506 | 35.384 | 4.80 | 0.15 | 26.377 | 0.178 | 1507. | 5.6 |
| 70 | 70.1 | 14.386 | 35.362 | 4.83 | 0.15 | 26.386 | 0.182 | 1506. | 5.4 |
| 71 | 71.8 | 14.202 | 35.337 | 4.89 | 0.15 | 26.406 | 0.185 | 1506. | 5.3 |
| 73 | 74.0 | 13.876 | 35.287 | 4.85 | 0.15 | 26.436 | 0.188 | 1505. | 5.3 |
| 75 | 76.1 | 13.657 | 35.239 | 4.87 | 0.15 | 26.445 | 0.192 | 1504. | 5.6 |
| 77 | 77.9 | 13.275 | 35.157 | 4.95 | 0.14 | 26.460 | 0.195 | 1503. | 5.8 |
| 79 | 80.0 | 12.931 | 35.097 | 4.92 | 0.14 | 26.483 | 0.198 | 1501. | 5.8 |
| 81 | 82.0 | 12.712 | 35.069 | 4.94 | 0.14 | 26.505 | 0.201 | 1501. | 5.7 |
| 83 | 84.0 | 12.724 | 35.110 | 4.92 | 0.14 | 26.534 | 0.204 | 1501. | 5.6 |
| 85 | 86.0 | 12.775 | 35.157 | 4.88 | 0.13 | 26.560 | 0.207 | 1501. | 5.7 |
| 87 | 88.1 | 12.765 | 35.168 | 4.87 | 0.13 | 26.571 | 0.210 | 1501. | 5.7 |
| 89 | 89.9 | 12.816 | 35.192 | 4.88 | 0.12 | 26.579 | 0.213 | 1501. | 5.9 |
| 91 | 92.1 | 12.863 | 35.220 | 4.82 | 0.12 | 26.591 | 0.216 | 1502. | 6.0 |
| 93 | 93.9 | 13.028 | 35.319 | 4.78 | 0.12 | 26.635 | 0.219 | 1502. | 6.1 |
| 95 | 96.1 | 13.128 | 35.383 | 4.73 | 0.11 | 26.664 | 0.222 | 1503. | 6.2 |
| 97 | 98.0 | 12.942 | 35.373 | 4.73 | 0.11 | 26.694 | 0.224 | 1502. | 6.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 72 | 14 JUL 1982 | 1033 | 40°25.0'N | 68°09.0'W | 235 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 12.801 | 35.366 | 4.69 | 0.12 | 26.717 | 0.227 | 1502. | 5.7 |
| 101 | 102.1 | 12.714 | 35.359 | 4.63 | 0.12 | 26.729 | 0.230 | 1501. | 5.1 |
| 103 | 103.9 | 12.641 | 35.355 | 4.61 | 0.13 | 26.740 | 0.232 | 1501. | 4.5 |
| 105 | 106.1 | 12.572 | 35.355 | 4.54 | 0.13 | 26.754 | 0.235 | 1501. | 4.0 |
| 107 | 107.9 | 12.517 | 35.350 | 4.54 | 0.13 | 26.761 | 0.237 | 1501. | 3.5 |
| 109 | 110.0 | 12.471 | 35.349 | 4.51 | 0.14 | 26.769 | 0.240 | 1501. | 3.2 |
| 111 | 112.1 | 12.459 | 35.351 | 4.48 | 0.14 | 26.773 | 0.243 | 1501. | 3.0 |
| 113 | 113.9 | 12.454 | 35.351 | 4.47 | 0.14 | 26.774 | 0.245 | 1501. | 2.9 |
| 115 | 116.0 | 12.444 | 35.352 | 4.45 | 0.14 | 26.777 | 0.248 | 1501. | 2.8 |
| 117 | 118.1 | 12.416 | 35.357 | 4.42 | 0.15 | 26.786 | 0.251 | 1501. | 2.8 |
| 119 | 119.9 | 12.418 | 35.367 | 4.45 | 0.15 | 26.794 | 0.253 | 1501. | 2.9 |
| 121 | 122.1 | 12.414 | 35.372 | 4.40 | 0.15 | 26.799 | 0.256 | 1501. | 3.0 |
| 123 | 124.0 | 12.411 | 35.373 | 4.38 | 0.15 | 26.800 | 0.258 | 1501. | 3.2 |
| 125 | 126.0 | 12.353 | 35.365 | 4.39 | 0.15 | 26.805 | 0.261 | 1501. | 3.4 |
| 127 | 128.0 | 12.261 | 35.351 | 4.39 | 0.15 | 26.812 | 0.263 | 1500. | 3.7 |
| 129 | 130.1 | 12.196 | 35.349 | 4.39 | 0.14 | 26.823 | 0.266 | 1500. | 3.9 |
| 131 | 131.9 | 12.153 | 35.352 | 4.38 | 0.14 | 26.834 | 0.268 | 1500. | 4.3 |
| 133 | 134.0 | 12.099 | 35.355 | 4.35 | 0.14 | 26.847 | 0.271 | 1500. | 4.5 |
| 135 | 136.0 | 12.047 | 35.360 | 4.35 | 0.14 | 26.860 | 0.273 | 1500. | 4.5 |
| 137 | 138.0 | 12.008 | 35.361 | 4.32 | 0.14 | 26.869 | 0.275 | 1500. | 4.5 |
| 139 | 140.0 | 11.918 | 35.368 | 4.33 | 0.14 | 26.891 | 0.278 | 1499. | 4.2 |
| 141 | 142.1 | 11.848 | 35.367 | 4.29 | 0.14 | 26.904 | 0.280 | 1499. | 3.9 |
| 143 | 144.0 | 11.826 | 35.368 | 4.27 | 0.15 | 26.909 | 0.283 | 1499. | 3.5 |
| 145 | 146.0 | 11.797 | 35.370 | 4.25 | 0.15 | 26.916 | 0.285 | 1499. | 3.0 |
| 147 | 148.0 | 11.793 | 35.371 | 4.24 | 0.15 | 26.917 | 0.287 | 1499. | 2.4 |
| 149 | 149.9 | 11.789 | 35.371 | 4.22 | 0.15 | 26.918 | 0.289 | 1499. | 2.0 |
| 151 | 152.0 | 11.781 | 35.372 | 4.19 | 0.15 | 26.921 | 0.292 | 1499. | 1.7 |
| 153 | 154.0 | 11.772 | 35.372 | 4.21 | 0.15 | 26.922 | 0.294 | 1499. | 1.6 |
| 155 | 156.0 | 11.765 | 35.372 | 4.22 | 0.15 | 26.924 | 0.296 | 1499. | 1.6 |
| 157 | 157.9 | 11.762 | 35.373 | 4.19 | 0.15 | 26.925 | 0.299 | 1499. | 1.8 |
| 159 | 160.1 | 11.759 | 35.373 | 4.17 | 0.15 | 26.926 | 0.301 | 1499. | 2.1 |
| 161 | 162.0 | 11.757 | 35.375 | 4.19 | 0.15 | 26.927 | 0.303 | 1499. | 2.7 |
| 163 | 164.0 | 11.757 | 35.378 | 4.17 | 0.16 | 26.930 | 0.306 | 1499. | 3.4 |
| 165 | 166.0 | 11.750 | 35.386 | 4.16 | 0.15 | 26.937 | 0.308 | 1499. | 3.9 |
| 167 | 168.0 | 11.739 | 35.398 | 4.14 | 0.15 | 26.949 | 0.310 | 1499. | 4.2 |
| 169 | 170.0 | 11.715 | 35.411 | 4.12 | 0.14 | 26.963 | 0.313 | 1499. | 4.3 |
| 171 | 172.1 | 11.690 | 35.440 | 4.09 | 0.13 | 26.990 | 0.315 | 1499. | 4.3 |
| 173 | 173.9 | 11.684 | 35.445 | 4.05 | 0.12 | 26.996 | 0.317 | 1499. | 4.0 |
| 175 | 176.0 | 11.664 | 35.451 | 3.98 | 0.12 | 27.004 | 0.319 | 1499. | 3.6 |
| 177 | 178.0 | 11.653 | 35.455 | 3.95 | 0.11 | 27.009 | 0.321 | 1499. | 3.0 |
| 179 | 180.1 | 11.647 | 35.456 | 3.93 | 0.11 | 27.011 | 0.324 | 1499. | 2.4 |
| 180 | 181.9 | 11.636 | 35.456 | 3.92 | 0.11 | 27.013 | 0.326 | 1499. | 2.1 |
| 183 | 184.0 | 11.616 | 35.456 | 3.88 | 0.11 | 27.017 | 0.328 | 1499. | 1.8 |
| 184 | 185.9 | 11.604 | 35.455 | 3.89 | 0.11 | 27.019 | 0.330 | 1499. | 1.5 |
| 187 | 188.1 | 11.602 | 35.455 | 3.89 | 0.11 | 27.019 | 0.332 | 1499. | 1.5 |
| 188 | 190.0 | 11.602 | 35.455 | 3.89 | 0.11 | 27.019 | 0.334 | 1499. | 1.4 |
| 190 | 192.0 | 11.598 | 35.455 | 3.89 | 0.11 | 27.020 | 0.336 | 1499. | 1.4 |
| 192 | 193.9 | 11.600 | 35.456 | 3.88 | 0.11 | 27.020 | 0.338 | 1499. | 1.5 |
| 194 | 196.0 | 11.571 | 35.454 | 3.86 | 0.11 | 27.024 | 0.341 | 1499. | 1.7 |
| 196 | 198.0 | 11.556 | 35.452 | 3.88 | 0.11 | 27.025 | 0.343 | 1499. | 1.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 72 | 14 JUL 1982 | 1033 | 40°25.0'N | 68°09.0'W | 235 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 200.0 | 11.546 | 35.452 | 3.87 | 0.11 | 27.027 | 0.345 | 1499. | 2.0 |
| 200 | 202.0 | 11.520 | 35.449 | 3.85 | 0.11 | 27.030 | 0.347 | 1499. | 2.1 |
| 202 | 203.9 | 11.495 | 35.447 | 3.86 | 0.11 | 27.033 | 0.349 | 1499. | 2.0 |
| 204 | 206.0 | 11.490 | 35.448 | 3.85 | 0.11 | 27.034 | 0.351 | 1499. | 1.9 |
| 206 | 208.0 | 11.435 | 35.442 | 3.86 | 0.11 | 27.040 | 0.354 | 1499. | 1.7 |
| 208 | 210.0 | 11.422 | 35.442 | 3.85 | 0.11 | 27.042 | 0.356 | 1499. | 1.4 |
| 210 | 211.9 | 11.430 | 35.443 | 3.83 | 0.11 | 27.042 | 0.358 | 1499. | 1.2 |
| 212 | 214.0 | 11.449 | 35.445 | 3.83 | 0.11 | 27.040 | 0.360 | 1499. | 1.0 |
| 214 | 216.1 | 11.450 | 35.445 | 3.83 | 0.11 | 27.040 | 0.362 | 1499. | 0.8 |
| 216 | 217.9 | 11.450 | 35.445 | 3.86 | 0.10 | 27.040 | 0.364 | 1499. | 0.8 |
| 218 | 220.0 | 11.418 | 35.440 | 3.84 | 0.11 | 27.042 | 0.366 | 1499. | 1.1 |
| 219 | 221.2 | 11.415 | 35.441 | 3.82 | 0.11 | 27.043 | 0.368 | 1499. | 1.4 |
| 220 | 222.0 | 11.411 | 35.441 | 3.80 | 0.11 | 27.044 | 0.368 | 1499. | 1.5 |
| 221 | 223.0 | 11.414 | 35.441 | 3.82 | 0.11 | 27.044 | 0.370 | 1499. | 1.8 |
| 222 | 224.0 | 11.402 | 35.440 | 3.84 | 0.11 | 27.045 | 0.371 | 1499. | 1.8 |
| 223 | 225.0 | 11.387 | 35.438 | 3.86 | 0.11 | 27.046 | 0.372 | 1499. | 1.8 |
| 224 | 226.0 | 11.371 | 35.434 | 3.85 | 0.11 | 27.046 | 0.373 | 1499. | 1.9 |
| 225 | 227.0 | 11.356 | 35.436 | 3.85 | 0.11 | 27.050 | 0.374 | 1499. | 2.0 |
| 226 | 228.0 | 11.362 | 35.436 | 3.87 | 0.11 | 27.049 | 0.375 | 1499. | 2.0 |
| 227 | 229.0 | 11.326 | 35.429 | 3.88 | 0.11 | 27.051 | 0.376 | 1499. | 1.8 |
| 228 | 230.0 | 11.344 | 35.434 | 3.87 | 0.12 | 27.051 | 0.377 | 1499. | 1.9 |
| 229 | 231.0 | 11.324 | 35.431 | 3.88 | 0.11 | 27.052 | 0.378 | 1499. | 1.9 |
| 230 | 232.0 | 11.309 | 35.430 | 3.86 | 0.12 | 27.054 | 0.379 | 1499. | 1.9 |
| 231 | 233.1 | 11.293 | 35.424 | 3.87 | 0.12 | 27.053 | 0.380 | 1499. | 1.9 |
| 232 | 233.5 | 11.266 | 35.423 | 3.80 | 0.11 | 27.057 | 0.381 | 1499. | 1.9 |

STA 73 DAY: 14 TIME: 1150

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 22.0 | 36.0 | 18.3 | 62.2 | 15.1 | 95.0 | 13.3 | 157.5 | 12.2 |
| 1.0 | 21.9 | 37.0 | 18.2 | 63.1 | 15.1 | 96.0 | 13.2 | 159.4 | 12.2 |
| 1.0 | 21.8 | 37.0 | 18.2 | 64.1 | 14.9 | 97.0 | 13.2 | 160.4 | 12.2 |
| 1.0 | 21.7 | 37.9 | 18.1 | 64.1 | 14.8 | 97.9 | 13.2 | 160.4 | 12.2 |
| 1.9 | 21.5 | 38.9 | 18.1 | 65.1 | 14.7 | 97.9 | 13.1 | 162.3 | 12.3 |
| 1.9 | 21.5 | 38.9 | 18.0 | 65.1 | 14.6 | 98.9 | 13.1 | 164.2 | 12.3 |
| 3.9 | 21.4 | 39.9 | 17.9 | 65.1 | 14.5 | 99.9 | 13.1 | 167.1 | 12.3 |
| 5.8 | 21.4 | 39.9 | 17.9 | 66.0 | 14.5 | 100.8 | 13.1 | 168.1 | 12.2 |
| 6.8 | 21.4 | 39.9 | 17.9 | 66.0 | 14.4 | 101.8 | 13.1 | 169.0 | 12.2 |
| 7.8 | 21.3 | 40.9 | 17.8 | 67.0 | 14.3 | 102.8 | 13.0 | 170.0 | 12.1 |
| 8.8 | 21.2 | 41.8 | 17.8 | 67.0 | 14.2 | 102.8 | 13.0 | 171.9 | 12.1 |
| 9.7 | 21.2 | 42.8 | 17.7 | 68.0 | 14.1 | 103.7 | 13.0 | 173.8 | 12.1 |
| 10.7 | 21.1 | 42.8 | 17.7 | 68.0 | 14.0 | 104.7 | 13.0 | 175.7 | 12.0 |
| 11.7 | 21.1 | 43.8 | 17.6 | 68.0 | 13.9 | 105.6 | 13.0 | 176.7 | 12.0 |
| 13.6 | 21.0 | 43.8 | 17.6 | 68.0 | 13.8 | 106.6 | 13.0 | 178.6 | 12.0 |
| 13.6 | 21.0 | 43.8 | 17.5 | 68.0 | 13.7 | 107.6 | 13.0 | 181.5 | 12.0 |
| 14.6 | 21.0 | 44.7 | 17.5 | 69.0 | 13.6 | 108.5 | 13.0 | 183.4 | 11.9 |
| 15.6 | 20.9 | 45.7 | 17.4 | 69.0 | 13.5 | 110.5 | 13.0 | 185.3 | 11.9 |
| 16.6 | 20.8 | 45.7 | 17.4 | 69.0 | 13.5 | 111.4 | 13.0 | 187.2 | 11.9 |
| 17.5 | 20.8 | 46.7 | 17.3 | 70.9 | 13.4 | 111.4 | 13.0 | 189.1 | 11.9 |
| 18.5 | 20.7 | 46.7 | 17.3 | 70.9 | 13.3 | 113.4 | 12.9 | 191.0 | 11.9 |
| 18.5 | 20.6 | 46.7 | 17.2 | 71.9 | 13.1 | 114.3 | 13.0 | 192.9 | 11.9 |
| 19.5 | 20.5 | 47.6 | 17.2 | 71.9 | 13.1 | 116.2 | 13.0 | 194.8 | 11.8 |
| 20.4 | 20.4 | 48.6 | 17.1 | 72.8 | 13.0 | 117.2 | 13.0 | 196.7 | 11.9 |
| 20.4 | 20.2 | 48.6 | 17.0 | 72.8 | 13.0 | 119.1 | 13.0 | 198.6 | 11.9 |
| 20.4 | 20.1 | 49.6 | 17.0 | 74.8 | 12.9 | 121.1 | 13.0 | 199.6 | 11.9 |
| 21.4 | 20.1 | 50.6 | 16.9 | 74.8 | 12.9 | 123.0 | 13.0 | 201.5 | 11.9 |
| 21.4 | 20.0 | 50.6 | 16.8 | 75.7 | 12.8 | 124.9 | 13.0 | 203.4 | 11.8 |
| 21.4 | 19.9 | 50.6 | 16.7 | 76.7 | 12.8 | 126.8 | 13.0 | 205.3 | 11.8 |
| 22.4 | 19.8 | 51.5 | 16.6 | 78.6 | 12.8 | 128.7 | 12.9 | 207.2 | 11.8 |
| 23.4 | 19.8 | 51.5 | 16.6 | 79.6 | 12.9 | 130.7 | 12.9 | 208.2 | 11.8 |
| 24.3 | 19.7 | 52.5 | 16.5 | 79.6 | 12.9 | 131.6 | 12.9 | 209.1 | 11.8 |
| 25.3 | 19.5 | 52.5 | 16.5 | 79.6 | 12.9 | 132.6 | 12.9 | 210.1 | 11.7 |
| 25.3 | 19.4 | 53.5 | 16.4 | 80.6 | 13.0 | 133.5 | 12.8 | 211.0 | 11.6 |
| 26.3 | 19.4 | 53.5 | 16.3 | 81.5 | 13.0 | 135.5 | 12.8 | 212.9 | 11.6 |
| 26.3 | 19.3 | 54.4 | 16.2 | 82.5 | 12.9 | 135.5 | 12.7 | 214.8 | 11.6 |
| 27.3 | 19.3 | 54.4 | 16.2 | 83.5 | 12.9 | 137.4 | 12.7 | 215.8 | 11.6 |
| 27.3 | 19.2 | 55.4 | 16.1 | 84.4 | 12.9 | 138.3 | 12.6 | 216.7 | 11.5 |
| 27.3 | 19.1 | 55.4 | 16.0 | 85.4 | 12.9 | 139.3 | 12.5 | 216.7 | 11.5 |
| 28.2 | 19.0 | 56.4 | 15.9 | 86.4 | 12.9 | 140.3 | 12.5 | 219.6 | 11.5 |
| 28.2 | 18.9 | 56.4 | 15.8 | 87.3 | 12.9 | 142.2 | 12.4 | 221.5 | 11.4 |
| 29.2 | 18.7 | 56.4 | 15.7 | 88.3 | 13.0 | 144.1 | 12.4 | 223.4 | 11.4 |
| 29.2 | 18.7 | 57.3 | 15.6 | 89.2 | 13.0 | 146.0 | 12.4 | 223.4 | 11.4 |
| 30.2 | 18.6 | 57.3 | 15.5 | 91.2 | 13.0 | 147.0 | 12.3 | 224.4 | 11.3 |
| 30.2 | 18.6 | 59.3 | 15.5 | 92.1 | 13.0 | 147.9 | 12.3 | 226.3 | 11.3 |
| 31.1 | 18.5 | 59.3 | 15.4 | 92.1 | 13.0 | 149.9 | 12.3 | 227.2 | 11.3 |
| 33.1 | 18.5 | 60.2 | 15.4 | 93.1 | 13.1 | 150.8 | 12.3 | 228.2 | 11.2 |
| 33.1 | 18.5 | 61.2 | 15.3 | 94.1 | 13.1 | 152.7 | 12.2 | 229.1 | 11.2 |
| 35.0 | 18.5 | 61.2 | 15.3 | 94.1 | 13.2 | 153.7 | 12.2 | 231.0 | 11.2 |
| 36.0 | 18.4 | 62.2 | 15.2 | 95.0 | 13.3 | 155.6 | 12.2 | 232.9 | 11.2 |

STA 73 DAY: 14 TIME: 1150

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|
| 233.9 | 11.2 | 302.9 | 9.5 | 362.1 | 6.7 |
| 234.8 | 11.1 | 302.9 | 9.4 | 363.0 | 6.6 |
| 236.7 | 11.1 | 302.9 | 9.2 | 364.0 | 6.6 |
| 237.7 | 11.1 | 303.9 | 9.1 | 366.8 | 6.6 |
| 239.6 | 11.1 | 303.9 | 9.1 | 369.6 | 6.6 |
| 240.5 | 11.1 | 303.9 | 9.0 | 371.5 | 6.6 |
| 242.4 | 11.1 | 305.8 | 9.0 | 374.3 | 6.6 |
| 242.4 | 11.0 | 307.6 | 9.0 | 375.2 | 6.6 |
| 243.4 | 11.0 | 309.5 | 9.0 | 378.0 | 6.5 |
| 245.2 | 11.0 | 312.4 | 9.0 | 380.8 | 6.5 |
| 246.2 | 11.0 | 314.2 | 9.0 | 383.6 | 6.5 |
| 248.1 | 11.0 | 315.2 | 9.0 | 387.3 | 6.5 |
| 250.0 | 11.0 | 316.1 | 8.9 | 391.1 | 6.5 |
| 250.9 | 11.0 | 317.1 | 8.9 | 393.9 | 6.5 |
| 251.9 | 11.0 | 318.0 | 8.8 | 396.7 | 6.5 |
| 253.8 | 11.0 | 318.9 | 8.7 | 398.5 | 6.5 |
| 255.7 | 10.9 | 319.9 | 8.7 | 400.4 | 6.5 |
| 255.7 | 10.8 | 320.8 | 8.6 | 403.2 | 6.5 |
| 257.6 | 10.8 | 321.8 | 8.6 | 405.1 | 6.5 |
| 258.5 | 10.8 | 322.7 | 8.5 | 408.8 | 6.5 |
| 260.4 | 10.8 | 324.6 | 8.5 | 411.6 | 6.5 |
| 262.3 | 10.8 | 325.5 | 8.5 | 413.4 | 6.4 |
| 265.1 | 10.8 | 328.3 | 8.5 | 415.3 | 6.4 |
| 268.9 | 10.8 | 329.3 | 8.4 | 416.2 | 6.4 |
| 270.8 | 10.8 | 330.2 | 8.4 | 418.1 | 6.4 |
| 272.7 | 10.8 | 330.2 | 8.3 | 419.0 | 6.4 |
| 274.6 | 10.8 | 332.1 | 8.2 | 420.9 | 6.3 |
| 277.4 | 10.7 | 334.0 | 8.2 | | |
| 278.4 | 10.7 | 334.9 | 8.1 | | |
| 280.3 | 10.7 | 335.9 | 8.1 | | |
| 282.2 | 10.6 | 336.8 | 8.0 | | |
| 283.1 | 10.6 | 338.7 | 8.0 | | |
| 284.1 | 10.6 | 339.6 | 7.9 | | |
| 285.0 | 10.5 | 340.5 | 7.9 | | |
| 285.9 | 10.4 | 342.4 | 7.9 | | |
| 287.8 | 10.4 | 343.4 | 7.8 | | |
| 288.8 | 10.4 | 343.4 | 7.7 | | |
| 290.7 | 10.3 | 344.3 | 7.6 | | |
| 290.7 | 10.3 | 345.2 | 7.5 | | |
| 292.6 | 10.3 | 345.2 | 7.5 | | |
| 295.4 | 10.3 | 346.2 | 7.4 | | |
| 297.3 | 10.2 | 347.1 | 7.3 | | |
| 298.2 | 10.1 | 348.1 | 7.3 | | |
| 298.2 | 10.0 | 349.0 | 7.0 | | |
| 299.2 | 10.0 | 349.9 | 6.9 | | |
| 299.2 | 9.9 | 350.9 | 6.8 | | |
| 300.1 | 9.9 | 351.8 | 6.8 | | |
| 301.0 | 9.8 | 353.7 | 6.7 | | |
| 302.0 | 9.8 | 356.5 | 6.7 | | |
| 302.0 | 9.7 | 359.3 | 6.7 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 74 | 14 JUL 1982 | 1054 | 40°25.0'N | 68°07.8'W | 520 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.3 | 21.076 | 34.718 | 5.14 | 0.32 | 24.260 | 0.000 | 1524. | 10.3 |
| 4 | 4.0 | 21.281 | 34.860 | 5.13 | 0.32 | 24.312 | 0.006 | 1525. | 10.3 |
| 6 | 6.0 | 21.297 | 34.902 | 5.19 | 0.32 | 24.340 | 0.013 | 1525. | 10.3 |
| 8 | 8.0 | 21.180 | 34.923 | 5.20 | 0.31 | 24.387 | 0.021 | 1525. | 10.3 |
| 10 | 9.8 | 20.924 | 34.887 | 5.38 | 0.32 | 24.430 | 0.027 | 1524. | 10.3 |
| 12 | 12.0 | 20.631 | 34.853 | 5.44 | 0.33 | 24.483 | 0.034 | 1523. | 11.4 |
| 14 | 14.0 | 20.279 | 34.800 | 5.51 | 0.34 | 24.536 | 0.041 | 1522. | 12.2 |
| 16 | 16.0 | 19.650 | 34.790 | 5.58 | 0.36 | 24.695 | 0.048 | 1521. | 12.8 |
| 18 | 18.0 | 19.533 | 34.947 | 5.55 | 0.36 | 24.845 | 0.054 | 1520. | 13.1 |
| 20 | 20.0 | 19.436 | 35.092 | 5.54 | 0.37 | 24.980 | 0.060 | 1520. | 12.9 |
| 22 | 21.9 | 19.321 | 35.153 | 5.61 | 0.36 | 25.057 | 0.066 | 1520. | 12.2 |
| 24 | 24.0 | 19.190 | 35.226 | 5.57 | 0.35 | 25.146 | 0.072 | 1520. | 10.9 |
| 26 | 26.0 | 19.025 | 35.283 | 5.51 | 0.35 | 25.232 | 0.077 | 1519. | 9.9 |
| 28 | 27.9 | 18.957 | 35.298 | 5.55 | 0.35 | 25.261 | 0.083 | 1519. | 9.3 |
| 30 | 30.0 | 18.946 | 35.323 | 5.57 | 0.35 | 25.283 | 0.088 | 1519. | 9.4 |
| 32 | 32.1 | 18.884 | 35.336 | 5.56 | 0.35 | 25.309 | 0.094 | 1519. | 9.7 |
| 34 | 33.9 | 18.646 | 35.351 | 5.68 | 0.36 | 25.381 | 0.099 | 1519. | 10.3 |
| 36 | 36.0 | 18.443 | 35.392 | 5.68 | 0.35 | 25.463 | 0.104 | 1518. | 10.8 |
| 38 | 38.2 | 18.031 | 35.404 | 5.72 | 0.35 | 25.575 | 0.109 | 1517. | 10.9 |
| 40 | 39.9 | 17.802 | 35.426 | 5.76 | 0.36 | 25.648 | 0.113 | 1516. | 10.6 |
| 42 | 42.0 | 17.349 | 35.420 | 5.80 | 0.37 | 25.754 | 0.118 | 1515. | 10.0 |
| 44 | 43.9 | 17.168 | 35.405 | 5.77 | 0.37 | 25.786 | 0.123 | 1515. | 9.5 |
| 46 | 46.0 | 17.072 | 35.400 | 5.68 | 0.37 | 25.805 | 0.127 | 1514. | 9.2 |
| 48 | 48.1 | 16.872 | 35.389 | 5.54 | 0.36 | 25.844 | 0.132 | 1514. | 9.6 |
| 50 | 49.9 | 16.746 | 35.412 | 5.37 | 0.33 | 25.892 | 0.136 | 1513. | 10.1 |
| 52 | 52.0 | 16.558 | 35.446 | 5.16 | 0.29 | 25.963 | 0.140 | 1513. | 10.8 |
| 54 | 54.0 | 16.204 | 35.465 | 5.03 | 0.25 | 26.059 | 0.144 | 1512. | 11.1 |
| 56 | 56.0 | 15.815 | 35.506 | 4.93 | 0.21 | 26.180 | 0.148 | 1511. | 11.1 |
| 58 | 58.0 | 15.274 | 35.464 | 4.88 | 0.19 | 26.270 | 0.151 | 1509. | 10.5 |
| 60 | 60.0 | 14.740 | 35.393 | 4.88 | 0.18 | 26.333 | 0.155 | 1507. | 9.8 |
| 61 | 62.0 | 14.513 | 35.361 | 4.81 | 0.18 | 26.357 | 0.158 | 1507. | 8.9 |
| 64 | 64.1 | 14.167 | 35.335 | 4.79 | 0.18 | 26.411 | 0.162 | 1505. | 7.7 |
| 65 | 66.0 | 13.985 | 35.300 | 4.73 | 0.18 | 26.423 | 0.165 | 1505. | 6.8 |
| 68 | 68.1 | 13.516 | 35.228 | 4.75 | 0.18 | 26.465 | 0.168 | 1503. | 6.3 |
| 69 | 69.9 | 13.193 | 35.174 | 4.78 | 0.18 | 26.489 | 0.171 | 1502. | 6.1 |
| 71 | 72.0 | 13.205 | 35.178 | 4.73 | 0.17 | 26.490 | 0.174 | 1502. | 5.7 |
| 73 | 74.0 | 13.081 | 35.171 | 4.72 | 0.17 | 26.510 | 0.177 | 1502. | 5.7 |
| 75 | 76.0 | 12.901 | 35.159 | 4.72 | 0.16 | 26.537 | 0.180 | 1501. | 5.6 |
| 77 | 78.0 | 12.817 | 35.169 | 4.69 | 0.16 | 26.561 | 0.183 | 1501. | 5.6 |
| 79 | 79.9 | 12.827 | 35.185 | 4.65 | 0.16 | 26.572 | 0.186 | 1501. | 5.5 |
| 81 | 82.1 | 12.858 | 35.231 | 4.61 | 0.15 | 26.601 | 0.189 | 1501. | 5.2 |
| 83 | 84.0 | 12.928 | 35.279 | 4.60 | 0.15 | 26.624 | 0.192 | 1502. | 4.9 |
| 85 | 86.0 | 12.936 | 35.288 | 4.54 | 0.15 | 26.630 | 0.195 | 1502. | 4.5 |
| 87 | 88.0 | 12.960 | 35.302 | 4.51 | 0.15 | 26.635 | 0.198 | 1502. | 4.2 |
| 89 | 90.0 | 13.021 | 35.336 | 4.56 | 0.14 | 26.649 | 0.200 | 1502. | 3.7 |
| 91 | 92.0 | 13.063 | 35.357 | 4.58 | 0.14 | 26.658 | 0.203 | 1502. | 3.4 |
| 93 | 94.0 | 13.120 | 35.381 | 4.57 | 0.14 | 26.665 | 0.206 | 1503. | 3.5 |
| 95 | 96.0 | 13.139 | 35.390 | 4.54 | 0.14 | 26.667 | 0.209 | 1503. | 3.6 |
| 97 | 98.1 | 13.135 | 35.398 | 4.54 | 0.14 | 26.675 | 0.212 | 1503. | 3.5 |
| 99 | 100.0 | 13.125 | 35.405 | 4.53 | 0.14 | 26.682 | 0.214 | 1503. | 3.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 74 | 14 JUL 1982 | 1054 | 40°25.0'N | 68°07.8'W | 520 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 13.080 | 35.411 | 4.52 | 0.14 | 26.696 | 0.217 | 1503. | 3.6 |
| 103 | 103.9 | 13.001 | 35.402 | 4.53 | 0.14 | 26.705 | 0.220 | 1502. | 3.7 |
| 105 | 106.0 | 12.965 | 35.402 | 4.53 | 0.14 | 26.712 | 0.223 | 1502. | 3.7 |
| 107 | 108.0 | 12.947 | 35.405 | 4.52 | 0.14 | 26.718 | 0.225 | 1502. | 3.9 |
| 109 | 110.1 | 12.944 | 35.415 | 4.52 | 0.14 | 26.726 | 0.228 | 1502. | 4.1 |
| 111 | 111.9 | 12.967 | 35.434 | 4.53 | 0.14 | 26.736 | 0.230 | 1502. | 4.3 |
| 113 | 114.0 | 13.004 | 35.454 | 4.50 | 0.13 | 26.745 | 0.233 | 1503. | 4.5 |
| 115 | 116.0 | 13.014 | 35.491 | 4.45 | 0.13 | 26.771 | 0.236 | 1503. | 4.5 |
| 117 | 118.0 | 12.992 | 35.500 | 4.41 | 0.12 | 26.783 | 0.238 | 1503. | 4.4 |
| 119 | 120.0 | 12.937 | 35.507 | 4.41 | 0.12 | 26.799 | 0.241 | 1503. | 4.2 |
| 121 | 122.0 | 12.921 | 35.510 | 4.38 | 0.12 | 26.805 | 0.243 | 1503. | 3.8 |
| 123 | 124.0 | 12.899 | 35.515 | 4.33 | 0.12 | 26.813 | 0.246 | 1503. | 3.2 |
| 125 | 126.1 | 12.885 | 35.519 | 4.30 | 0.12 | 26.819 | 0.249 | 1502. | 2.7 |
| 127 | 128.0 | 12.881 | 35.521 | 4.31 | 0.12 | 26.821 | 0.251 | 1503. | 2.4 |
| 129 | 130.0 | 12.878 | 35.521 | 4.36 | 0.12 | 26.821 | 0.254 | 1503. | 2.3 |
| 131 | 132.0 | 12.874 | 35.522 | 4.34 | 0.12 | 26.823 | 0.256 | 1503. | 2.3 |
| 133 | 134.1 | 12.874 | 35.523 | 4.32 | 0.12 | 26.824 | 0.259 | 1503. | 2.3 |
| 135 | 135.9 | 12.849 | 35.525 | 4.31 | 0.12 | 26.831 | 0.261 | 1503. | 2.4 |
| 137 | 138.0 | 12.786 | 35.518 | 4.31 | 0.13 | 26.838 | 0.264 | 1502. | 2.5 |
| 139 | 140.0 | 12.762 | 35.515 | 4.29 | 0.13 | 26.840 | 0.266 | 1502. | 2.5 |
| 141 | 142.0 | 12.739 | 35.511 | 4.28 | 0.13 | 26.842 | 0.269 | 1502. | 2.4 |
| 143 | 144.0 | 12.699 | 35.507 | 4.29 | 0.13 | 26.846 | 0.271 | 1502. | 2.2 |
| 145 | 145.9 | 12.666 | 35.503 | 4.28 | 0.13 | 26.850 | 0.273 | 1502. | 2.0 |
| 147 | 148.1 | 12.644 | 35.500 | 4.26 | 0.13 | 26.853 | 0.276 | 1502. | 2.0 |
| 149 | 150.0 | 12.640 | 35.502 | 4.26 | 0.13 | 26.855 | 0.278 | 1502. | 2.1 |
| 151 | 152.0 | 12.646 | 35.504 | 4.24 | 0.13 | 26.855 | 0.281 | 1502. | 2.6 |
| 153 | 154.1 | 12.645 | 35.507 | 4.22 | 0.13 | 26.857 | 0.283 | 1502. | 2.9 |
| 155 | 156.0 | 12.646 | 35.509 | 4.18 | 0.13 | 26.859 | 0.286 | 1502. | 3.2 |
| 157 | 158.2 | 12.624 | 35.517 | 4.16 | 0.13 | 26.869 | 0.288 | 1502. | 3.3 |
| 159 | 159.9 | 12.549 | 35.526 | 4.15 | 0.13 | 26.892 | 0.290 | 1502. | 3.3 |
| 161 | 162.1 | 12.450 | 35.503 | 4.15 | 0.13 | 26.893 | 0.293 | 1502. | 3.1 |
| 163 | 164.0 | 12.420 | 35.499 | 4.13 | 0.13 | 26.895 | 0.295 | 1502. | 2.9 |
| 165 | 166.1 | 12.349 | 35.482 | 4.12 | 0.14 | 26.897 | 0.298 | 1501. | 2.7 |
| 167 | 168.0 | 12.288 | 35.473 | 4.12 | 0.14 | 26.902 | 0.300 | 1501. | 2.4 |
| 169 | 170.0 | 12.244 | 35.462 | 4.10 | 0.14 | 26.902 | 0.302 | 1501. | 2.6 |
| 171 | 172.0 | 12.167 | 35.450 | 4.07 | 0.15 | 26.907 | 0.305 | 1501. | 2.6 |
| 173 | 174.0 | 12.154 | 35.460 | 4.03 | 0.15 | 26.918 | 0.307 | 1501. | 2.4 |
| 175 | 176.0 | 12.245 | 35.487 | 4.00 | 0.14 | 26.921 | 0.309 | 1501. | 2.2 |
| 177 | 178.0 | 12.306 | 35.506 | 3.98 | 0.13 | 26.924 | 0.312 | 1501. | 2.2 |
| 178 | 179.9 | 12.334 | 35.516 | 4.00 | 0.13 | 26.926 | 0.314 | 1502. | 2.1 |
| 181 | 182.0 | 12.302 | 35.497 | 3.98 | 0.13 | 26.918 | 0.316 | 1501. | 2.2 |
| 183 | 184.1 | 12.153 | 35.471 | 3.97 | 0.14 | 26.926 | 0.319 | 1501. | 2.3 |
| 184 | 186.0 | 12.070 | 35.454 | 3.98 | 0.15 | 26.929 | 0.321 | 1501. | 2.5 |
| 186 | 187.9 | 12.116 | 35.479 | 3.98 | 0.15 | 26.939 | 0.323 | 1501. | 2.6 |
| 189 | 190.1 | 12.144 | 35.491 | 3.96 | 0.14 | 26.943 | 0.326 | 1501. | 2.7 |
| 190 | 192.0 | 12.061 | 35.469 | 3.96 | 0.14 | 26.942 | 0.328 | 1501. | 2.4 |
| 192 | 194.0 | 11.991 | 35.462 | 3.95 | 0.14 | 26.950 | 0.330 | 1501. | 2.3 |
| 194 | 196.0 | 12.033 | 35.474 | 3.92 | 0.14 | 26.952 | 0.333 | 1501. | 2.2 |
| 196 | 198.1 | 12.046 | 35.479 | 3.92 | 0.14 | 26.953 | 0.335 | 1501. | 2.2 |
| 198 | 199.9 | 12.035 | 35.478 | 3.91 | 0.14 | 26.955 | 0.337 | 1501. | 2.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 74 | 14 JUL 1982 | 1054 | 40°25.0'N | 68°07.8'W | 520 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 202.1 | 12.026 | 35.482 | 3.90 | 0.14 | 26.959 | 0.340 | 1501. | 2.2 |
| 202 | 204.0 | 12.008 | 35.483 | 3.90 | 0.13 | 26.964 | 0.342 | 1501. | 2.3 |
| 204 | 206.1 | 11.901 | 35.460 | 3.89 | 0.14 | 26.966 | 0.344 | 1500. | 2.4 |
| 206 | 208.0 | 11.855 | 35.441 | 3.91 | 0.14 | 26.960 | 0.346 | 1500. | 2.4 |
| 208 | 210.0 | 11.839 | 35.461 | 3.90 | 0.14 | 26.978 | 0.349 | 1500. | 2.4 |
| 210 | 212.0 | 11.843 | 35.461 | 3.87 | 0.14 | 26.978 | 0.351 | 1500. | 2.6 |
| 212 | 214.0 | 11.842 | 35.461 | 3.84 | 0.14 | 26.978 | 0.353 | 1500. | 2.9 |
| 214 | 216.2 | 11.847 | 35.467 | 3.81 | 0.14 | 26.982 | 0.355 | 1500. | 3.0 |
| 216 | 217.8 | 11.825 | 35.470 | 3.80 | 0.13 | 26.989 | 0.357 | 1500. | 3.0 |
| 218 | 220.0 | 11.758 | 35.468 | 3.78 | 0.12 | 26.999 | 0.360 | 1500. | 3.2 |
| 220 | 222.1 | 11.709 | 35.466 | 3.76 | 0.12 | 27.007 | 0.362 | 1500. | 3.2 |
| 222 | 224.0 | 11.656 | 35.455 | 3.76 | 0.13 | 27.009 | 0.364 | 1500. | 3.1 |
| 224 | 226.0 | 11.579 | 35.448 | 3.76 | 0.13 | 27.018 | 0.366 | 1500. | 2.9 |
| 226 | 228.0 | 11.546 | 35.446 | 3.75 | 0.13 | 27.022 | 0.368 | 1500. | 2.9 |
| 228 | 230.0 | 11.507 | 35.442 | 3.74 | 0.13 | 27.026 | 0.371 | 1499. | 2.9 |
| 230 | 232.0 | 11.462 | 35.434 | 3.74 | 0.13 | 27.029 | 0.373 | 1499. | 2.9 |
| 232 | 234.0 | 11.411 | 35.426 | 3.73 | 0.13 | 27.032 | 0.375 | 1499. | 2.9 |
| 234 | 235.9 | 11.340 | 35.422 | 3.73 | 0.13 | 27.042 | 0.377 | 1499. | 3.0 |
| 236 | 238.0 | 11.280 | 35.417 | 3.72 | 0.13 | 27.050 | 0.379 | 1499. | 3.0 |
| 238 | 240.1 | 11.245 | 35.412 | 3.73 | 0.13 | 27.052 | 0.381 | 1499. | 3.1 |
| 240 | 241.9 | 11.213 | 35.412 | 3.74 | 0.13 | 27.058 | 0.383 | 1499. | 3.0 |
| 242 | 244.0 | 11.151 | 35.404 | 3.74 | 0.14 | 27.063 | 0.386 | 1498. | 3.0 |
| 244 | 246.0 | 11.084 | 35.397 | 3.76 | 0.14 | 27.070 | 0.388 | 1498. | 2.9 |
| 246 | 248.0 | 11.061 | 35.396 | 3.77 | 0.14 | 27.073 | 0.390 | 1498. | 2.8 |
| 248 | 250.0 | 11.008 | 35.392 | 3.79 | 0.14 | 27.080 | 0.392 | 1498. | 2.5 |
| 250 | 252.0 | 10.959 | 35.388 | 3.80 | 0.14 | 27.085 | 0.394 | 1498. | 2.4 |
| 252 | 254.0 | 10.951 | 35.387 | 3.81 | 0.14 | 27.087 | 0.396 | 1498. | 2.2 |
| 254 | 256.0 | 10.957 | 35.388 | 3.83 | 0.14 | 27.086 | 0.398 | 1498. | 2.1 |
| 256 | 258.0 | 10.931 | 35.384 | 3.85 | 0.14 | 27.087 | 0.400 | 1498. | 1.8 |
| 258 | 260.0 | 10.891 | 35.383 | 3.86 | 0.14 | 27.094 | 0.402 | 1498. | 1.7 |
| 260 | 262.1 | 10.873 | 35.380 | 3.87 | 0.14 | 27.095 | 0.404 | 1498. | 1.8 |
| 262 | 264.0 | 10.861 | 35.378 | 3.87 | 0.15 | 27.096 | 0.406 | 1498. | 1.7 |
| 264 | 266.0 | 10.852 | 35.376 | 3.88 | 0.14 | 27.096 | 0.408 | 1498. | 1.6 |
| 266 | 268.0 | 10.843 | 35.377 | 3.87 | 0.14 | 27.098 | 0.410 | 1498. | 1.5 |
| 268 | 270.0 | 10.825 | 35.375 | 3.86 | 0.15 | 27.100 | 0.412 | 1498. | 1.4 |
| 270 | 272.1 | 10.813 | 35.373 | 3.88 | 0.15 | 27.100 | 0.414 | 1498. | 1.5 |
| 272 | 273.9 | 10.807 | 35.373 | 3.90 | 0.15 | 27.102 | 0.416 | 1498. | 1.7 |
| 274 | 276.0 | 10.799 | 35.374 | 3.91 | 0.15 | 27.104 | 0.418 | 1498. | 1.8 |
| 276 | 278.0 | 10.786 | 35.371 | 3.91 | 0.15 | 27.103 | 0.420 | 1498. | 2.1 |
| 278 | 280.0 | 10.763 | 35.370 | 3.91 | 0.16 | 27.107 | 0.422 | 1498. | 2.5 |
| 280 | 282.0 | 10.723 | 35.366 | 3.93 | 0.16 | 27.111 | 0.424 | 1497. | 2.8 |
| 282 | 284.0 | 10.675 | 35.358 | 3.95 | 0.16 | 27.114 | 0.426 | 1497. | 3.0 |
| 284 | 285.9 | 10.617 | 35.358 | 3.95 | 0.16 | 27.124 | 0.428 | 1497. | 3.2 |
| 286 | 288.0 | 10.527 | 35.349 | 3.95 | 0.17 | 27.133 | 0.430 | 1497. | 3.4 |
| 288 | 290.0 | 10.477 | 35.345 | 3.95 | 0.17 | 27.138 | 0.432 | 1497. | 3.4 |
| 290 | 292.0 | 10.414 | 35.335 | 3.95 | 0.17 | 27.142 | 0.434 | 1497. | 3.5 |
| 291 | 294.0 | 10.335 | 35.332 | 3.94 | 0.17 | 27.153 | 0.436 | 1496. | 3.7 |
| 294 | 296.1 | 10.264 | 35.325 | 3.92 | 0.16 | 27.161 | 0.438 | 1496. | 4.3 |
| 295 | 298.0 | 10.217 | 35.320 | 3.93 | 0.16 | 27.165 | 0.440 | 1496. | 4.8 |
| 297 | 300.0 | 10.143 | 35.320 | 3.94 | 0.16 | 27.178 | 0.442 | 1496. | 5.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 74 | 14 JUL 1982 | 1054 | 40°25.0'N | 68°07.8'W | 520 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 299 | 302.0 | 9.949 | 35.303 | 3.95 | 0.16 | 27.198 | 0.444 | 1495. | 5.2 |
| 301 | 304.0 | 9.625 | 35.276 | 3.97 | 0.17 | 27.232 | 0.446 | 1494. | 5.2 |
| 303 | 305.9 | 9.467 | 35.263 | 4.00 | 0.17 | 27.248 | 0.447 | 1493. | 5.0 |
| 305 | 308.0 | 9.281 | 35.244 | 4.02 | 0.17 | 27.264 | 0.449 | 1493. | 4.5 |
| 307 | 310.0 | 9.245 | 35.240 | 4.02 | 0.17 | 27.267 | 0.451 | 1492. | 4.1 |
| 309 | 312.1 | 9.208 | 35.238 | 4.04 | 0.17 | 27.271 | 0.453 | 1492. | 3.7 |
| 311 | 313.9 | 9.176 | 35.233 | 4.09 | 0.17 | 27.273 | 0.454 | 1492. | 3.9 |
| 313 | 315.9 | 9.090 | 35.225 | 4.13 | 0.17 | 27.280 | 0.456 | 1492. | 4.1 |
| 315 | 318.1 | 8.949 | 35.215 | 4.16 | 0.17 | 27.295 | 0.458 | 1492. | 4.3 |
| 317 | 319.9 | 8.812 | 35.204 | 4.18 | 0.18 | 27.309 | 0.459 | 1491. | 4.4 |
| 319 | 322.0 | 8.638 | 35.198 | 4.19 | 0.18 | 27.331 | 0.461 | 1490. | 4.3 |
| 321 | 324.0 | 8.556 | 35.195 | 4.21 | 0.18 | 27.342 | 0.463 | 1490. | 4.1 |
| 323 | 326.0 | 8.495 | 35.186 | 4.22 | 0.18 | 27.344 | 0.464 | 1490. | 3.7 |
| 325 | 327.9 | 8.450 | 35.181 | 4.23 | 0.18 | 27.348 | 0.466 | 1490. | 3.3 |
| 327 | 330.1 | 8.388 | 35.178 | 4.23 | 0.18 | 27.355 | 0.467 | 1490. | 2.9 |
| 329 | 332.0 | 8.332 | 35.174 | 4.25 | 0.18 | 27.360 | 0.469 | 1489. | 2.7 |
| 331 | 334.0 | 8.281 | 35.172 | 4.26 | 0.19 | 27.366 | 0.470 | 1489. | 2.7 |
| 333 | 336.0 | 8.252 | 35.170 | 4.26 | 0.18 | 27.370 | 0.472 | 1489. | 2.5 |
| 335 | 338.0 | 8.231 | 35.168 | 4.27 | 0.18 | 27.371 | 0.473 | 1489. | 2.3 |
| 337 | 340.0 | 8.190 | 35.165 | 4.27 | 0.19 | 27.375 | 0.475 | 1489. | 2.2 |
| 339 | 342.0 | 8.157 | 35.163 | 4.28 | 0.19 | 27.378 | 0.476 | 1489. | 2.2 |
| 341 | 344.0 | 8.150 | 35.162 | 4.29 | 0.19 | 27.379 | 0.478 | 1489. | 2.4 |
| 343 | 346.0 | 8.133 | 35.161 | 4.30 | 0.19 | 27.381 | 0.479 | 1489. | 2.7 |
| 345 | 348.0 | 8.080 | 35.156 | 4.31 | 0.18 | 27.384 | 0.481 | 1489. | 3.0 |
| 347 | 349.9 | 8.015 | 35.153 | 4.33 | 0.18 | 27.392 | 0.482 | 1488. | 3.6 |
| 349 | 352.1 | 7.970 | 35.151 | 4.36 | 0.18 | 27.397 | 0.484 | 1488. | 4.2 |
| 351 | 354.0 | 7.874 | 35.148 | 4.40 | 0.18 | 27.409 | 0.485 | 1488. | 4.6 |
| 353 | 356.1 | 7.667 | 35.118 | 4.45 | 0.18 | 27.417 | 0.487 | 1487. | 4.7 |
| 355 | 357.9 | 7.485 | 35.119 | 4.50 | 0.18 | 27.444 | 0.488 | 1487. | 4.7 |
| 357 | 360.1 | 7.255 | 35.106 | 4.54 | 0.18 | 27.467 | 0.490 | 1486. | 4.6 |
| 359 | 362.0 | 7.165 | 35.097 | 4.57 | 0.18 | 27.473 | 0.491 | 1485. | 4.2 |
| 361 | 364.0 | 7.083 | 35.088 | 4.61 | 0.18 | 27.477 | 0.492 | 1485. | 3.8 |
| 363 | 366.0 | 7.029 | 35.087 | 4.62 | 0.18 | 27.483 | 0.493 | 1485. | 3.0 |
| 365 | 368.0 | 6.971 | 35.084 | 4.63 | 0.18 | 27.490 | 0.495 | 1485. | 2.5 |
| 367 | 370.1 | 6.961 | 35.083 | 4.64 | 0.18 | 27.490 | 0.496 | 1485. | 2.2 |
| 369 | 371.9 | 6.944 | 35.082 | 4.65 | 0.19 | 27.492 | 0.497 | 1485. | 1.9 |
| 371 | 374.0 | 6.924 | 35.081 | 4.66 | 0.19 | 27.493 | 0.499 | 1485. | 1.7 |
| 373 | 376.0 | 6.906 | 35.080 | 4.66 | 0.18 | 27.495 | 0.500 | 1485. | 1.5 |
| 375 | 378.1 | 6.899 | 35.079 | 4.66 | 0.18 | 27.496 | 0.501 | 1485. | 1.5 |
| 377 | 379.9 | 6.892 | 35.079 | 4.67 | 0.19 | 27.497 | 0.502 | 1485. | 1.4 |
| 379 | 382.1 | 6.866 | 35.078 | 4.68 | 0.19 | 27.499 | 0.504 | 1485. | 1.3 |
| 381 | 383.9 | 6.861 | 35.078 | 4.67 | 0.19 | 27.500 | 0.505 | 1485. | 1.2 |
| 383 | 386.0 | 6.855 | 35.077 | 4.67 | 0.15 | 27.500 | 0.506 | 1485. | 1.3 |
| 385 | 388.0 | 6.845 | 35.076 | 4.68 | 0.18 | 27.500 | 0.508 | 1485. | 1.3 |
| 387 | 390.0 | 6.835 | 35.075 | 4.69 | 0.19 | 27.501 | 0.509 | 1485. | 1.5 |
| 388 | 391.9 | 6.824 | 35.074 | 4.69 | 0.19 | 27.502 | 0.510 | 1485. | 1.6 |
| 391 | 394.1 | 6.798 | 35.072 | 4.69 | 0.18 | 27.504 | 0.511 | 1484. | 1.7 |
| 393 | 396.1 | 6.770 | 35.071 | 4.70 | 0.18 | 27.507 | 0.513 | 1484. | 1.8 |
| 395 | 398.0 | 6.749 | 35.070 | 4.71 | 0.18 | 27.509 | 0.514 | 1484. | 1.8 |
| 397 | 400.0 | 6.716 | 35.067 | 4.72 | 0.18 | 27.511 | 0.515 | 1484. | 1.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 74 | 14 JUL 1982 | 1054 | 40°25.0'N | 68°07.8'W | 520 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 398 | 401.9 | 6.705 | 35.066 | 4.71 | 0.18 | 27.512 | 0.516 | 1484. | 1.6 |
| 401 | 404.0 | 6.695 | 35.066 | 4.72 | 0.18 | 27.513 | 0.518 | 1484. | 1.6 |
| 403 | 406.1 | 6.682 | 35.066 | 4.73 | 0.18 | 27.515 | 0.519 | 1484. | 1.7 |
| 404 | 408.0 | 6.668 | 35.059 | 4.74 | 0.18 | 27.511 | 0.520 | 1484. | 1.9 |
| 406 | 409.9 | 6.645 | 35.064 | 4.75 | 0.18 | 27.518 | 0.521 | 1484. | 2.1 |
| 409 | 412.1 | 6.622 | 35.061 | 4.77 | 0.18 | 27.519 | 0.523 | 1484. | 2.2 |
| 410 | 413.9 | 6.575 | 35.059 | 4.79 | 0.18 | 27.524 | 0.524 | 1484. | 2.2 |
| 413 | 416.2 | 6.511 | 35.055 | 4.81 | 0.19 | 27.529 | 0.525 | 1484. | 2.2 |
| 414 | 417.9 | 6.496 | 35.054 | 4.81 | 0.19 | 27.531 | 0.526 | 1484. | 1.9 |
| 416 | 420.0 | 6.479 | 35.053 | 4.81 | 0.18 | 27.532 | 0.527 | 1484. | 1.6 |
| 418 | 422.0 | 6.473 | 35.053 | 4.82 | 0.18 | 27.533 | 0.529 | 1484. | 1.3 |
| 420 | 423.9 | 6.472 | 35.053 | 4.82 | 0.19 | 27.533 | 0.530 | 1484. | 1.2 |
| 422 | 425.6 | 6.475 | 35.054 | 4.81 | 0.20 | 27.533 | 0.531 | 1484. | 1.5 |
| 424 | 428.2 | 6.490 | 35.054 | 4.83 | 0.19 | 27.531 | 0.532 | 1484. | 1.7 |
| 426 | 430.0 | 6.476 | 35.055 | 4.86 | 0.18 | 27.534 | 0.533 | 1484. | 1.9 |
| 428 | 432.0 | 6.410 | 35.050 | 4.87 | 0.18 | 27.539 | 0.535 | 1484. | 1.9 |
| 430 | 434.0 | 6.344 | 35.045 | 4.88 | 0.18 | 27.544 | 0.536 | 1483. | 1.9 |
| 432 | 436.1 | 6.328 | 35.044 | 4.88 | 0.19 | 27.545 | 0.537 | 1483. | 1.8 |
| 434 | 437.9 | 6.327 | 35.045 | 4.88 | 0.18 | 27.546 | 0.538 | 1483. | 1.4 |
| 436 | 440.1 | 6.331 | 35.046 | 4.89 | 0.18 | 27.546 | 0.540 | 1483. | 1.0 |
| 438 | 442.0 | 6.328 | 35.044 | 4.90 | 0.18 | 27.545 | 0.541 | 1483. | 0.9 |
| 440 | 444.0 | 6.327 | 35.044 | 4.90 | 0.18 | 27.545 | 0.542 | 1483. | 1.2 |
| 442 | 446.0 | 6.331 | 35.045 | 4.90 | 0.18 | 27.545 | 0.543 | 1483. | 1.4 |
| 444 | 448.1 | 6.322 | 35.045 | 4.91 | 0.18 | 27.546 | 0.544 | 1483. | 1.7 |
| 446 | 449.7 | 6.290 | 35.045 | 4.91 | 0.19 | 27.551 | 0.545 | 1483. | 1.7 |
| 448 | 451.9 | 6.226 | 35.036 | 4.92 | 0.22 | 27.552 | 0.547 | 1483. | 1.6 |
| 450 | 454.0 | 6.232 | 35.041 | 4.92 | 0.18 | 27.555 | 0.548 | 1483. | 1.7 |
| 452 | 456.0 | 6.194 | 35.039 | 4.93 | 0.19 | 27.558 | 0.549 | 1483. | 2.2 |
| 454 | 458.2 | 6.242 | 35.039 | 4.95 | 0.18 | 27.552 | 0.550 | 1483. | 2.5 |
| 456 | 459.9 | 6.235 | 35.041 | 4.98 | 0.19 | 27.555 | 0.551 | 1483. | 2.8 |
| 458 | 462.0 | 6.167 | 35.039 | 4.99 | 0.18 | 27.562 | 0.552 | 1483. | 3.1 |
| 460 | 464.1 | 6.004 | 35.033 | 5.06 | 0.18 | 27.578 | 0.554 | 1482. | 3.2 |
| 462 | 465.9 | 5.954 | 35.031 | 5.07 | 0.18 | 27.583 | 0.555 | 1482. | 3.3 |
| 464 | 468.0 | 5.918 | 35.030 | 5.09 | 0.18 | 27.587 | 0.556 | 1482. | 3.1 |
| 466 | 470.0 | 5.821 | 35.024 | 5.10 | 0.18 | 27.594 | 0.557 | 1482. | 2.7 |
| 468 | 472.1 | 5.784 | 35.018 | 5.13 | 0.18 | 27.594 | 0.558 | 1482. | 2.2 |
| 470 | 473.9 | 5.757 | 35.018 | 5.13 | 0.18 | 27.598 | 0.559 | 1482. | 2.0 |
| 472 | 476.1 | 5.757 | 35.020 | 5.14 | 0.18 | 27.599 | 0.560 | 1482. | 1.9 |
| 474 | 478.0 | 5.757 | 35.020 | 5.15 | 0.18 | 27.600 | 0.561 | 1482. | 1.7 |
| 476 | 480.0 | 5.749 | 35.021 | 5.16 | 0.18 | 27.601 | 0.562 | 1482. | 1.7 |
| 478 | 482.0 | 5.701 | 35.016 | 5.17 | 0.18 | 27.604 | 0.564 | 1481. | 1.9 |
| 480 | 484.0 | 5.674 | 35.015 | 5.18 | 0.18 | 27.606 | 0.565 | 1481. | 2.1 |
| 482 | 486.0 | 5.673 | 35.016 | 5.20 | 0.18 | 27.607 | 0.566 | 1481. | 2.4 |
| 484 | 488.0 | 5.657 | 35.016 | 5.23 | 0.18 | 27.609 | 0.567 | 1481. | 2.4 |
| 486 | 489.9 | 5.589 | 35.013 | 5.24 | 0.18 | 27.615 | 0.568 | 1481. | 2.3 |
| 488 | 492.0 | 5.492 | 35.006 | 5.26 | 0.18 | 27.621 | 0.569 | 1481. | 2.3 |
| 490 | 494.0 | 5.454 | 35.006 | 5.28 | 0.18 | 27.626 | 0.570 | 1481. | 2.2 |
| 492 | 496.1 | 5.447 | 35.002 | 5.30 | 0.18 | 27.624 | 0.571 | 1481. | 2.0 |
| 493 | 497.9 | 5.439 | 34.997 | 5.30 | 0.18 | 27.621 | 0.572 | 1481. | 1.6 |
| 496 | 500.0 | 5.414 | 35.001 | 5.31 | 0.18 | 27.627 | 0.573 | 1481. | 1.3 |

STA 75 DAY: 14 TIME: 1151

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 21.4 | 34.1 | 18.6 | 63.1 | 14.6 | 109.5 | 12.7 | 200.5 | 11.7 |
| 1.0 | 21.2 | 35.0 | 18.5 | 63.1 | 14.5 | 110.5 | 12.7 | 203.4 | 11.7 |
| 1.0 | 21.1 | 35.0 | 18.4 | 63.1 | 14.4 | 112.4 | 12.7 | 205.3 | 11.7 |
| 1.9 | 21.1 | 36.0 | 18.2 | 64.1 | 14.3 | 114.3 | 12.7 | 206.3 | 11.7 |
| 1.9 | 21.0 | 37.0 | 18.2 | 65.1 | 14.2 | 116.2 | 12.7 | 207.2 | 11.6 |
| 2.9 | 21.0 | 37.9 | 18.2 | 65.1 | 14.1 | 116.2 | 12.7 | 207.2 | 11.6 |
| 2.9 | 20.9 | 39.9 | 18.2 | 66.0 | 14.1 | 118.2 | 12.6 | 210.1 | 11.6 |
| 3.9 | 20.9 | 40.9 | 18.1 | 67.0 | 14.1 | 120.1 | 12.6 | 212.9 | 11.6 |
| 4.9 | 20.9 | 40.9 | 18.1 | 68.0 | 14.0 | 122.0 | 12.5 | 212.9 | 11.5 |
| 5.8 | 20.9 | 41.8 | 18.0 | 69.0 | 14.0 | 123.9 | 12.5 | 214.8 | 11.5 |
| 6.8 | 20.9 | 42.8 | 17.9 | 69.0 | 13.9 | 124.9 | 12.5 | 216.7 | 11.5 |
| 7.8 | 20.8 | 42.8 | 17.8 | 69.9 | 13.9 | 126.8 | 12.4 | 218.6 | 11.5 |
| 8.8 | 20.8 | 42.8 | 17.7 | 70.9 | 13.9 | 128.7 | 12.4 | 219.6 | 11.5 |
| 8.8 | 20.7 | 43.8 | 17.6 | 72.8 | 13.9 | 129.7 | 12.4 | 220.5 | 11.4 |
| 9.7 | 20.6 | 44.7 | 17.5 | 75.7 | 13.9 | 132.6 | 12.4 | 223.4 | 11.4 |
| 9.7 | 20.5 | 45.7 | 17.5 | 75.7 | 13.8 | 133.5 | 12.4 | 224.4 | 11.4 |
| 10.7 | 20.5 | 46.7 | 17.4 | 76.7 | 13.8 | 136.4 | 12.4 | 227.2 | 11.4 |
| 10.7 | 20.4 | 46.7 | 17.3 | 77.7 | 13.7 | 138.3 | 12.4 | 227.2 | 11.4 |
| 11.7 | 20.4 | 46.7 | 17.2 | 77.7 | 13.6 | 140.3 | 12.4 | 228.2 | 11.3 |
| 12.7 | 20.3 | 47.6 | 17.1 | 78.6 | 13.5 | 142.2 | 12.4 | 229.1 | 11.3 |
| 12.7 | 20.2 | 47.6 | 17.0 | 78.6 | 13.4 | 144.1 | 12.3 | 231.0 | 11.3 |
| 13.6 | 20.1 | 47.6 | 16.8 | 79.6 | 13.3 | 145.1 | 12.3 | 232.0 | 11.2 |
| 13.6 | 20.1 | 48.6 | 16.7 | 79.6 | 13.2 | 147.0 | 12.2 | 233.9 | 11.2 |
| 14.6 | 20.0 | 48.6 | 16.7 | 80.6 | 13.1 | 148.9 | 12.2 | 235.8 | 11.1 |
| 14.6 | 19.9 | 48.6 | 16.6 | 80.6 | 13.1 | 150.8 | 12.2 | 237.7 | 11.1 |
| 15.6 | 19.8 | 49.6 | 16.6 | 81.5 | 13.0 | 153.7 | 12.2 | 239.6 | 11.1 |
| 15.6 | 19.7 | 49.6 | 16.5 | 81.5 | 12.9 | 156.6 | 12.2 | 240.5 | 11.1 |
| 15.6 | 19.6 | 51.5 | 16.5 | 82.5 | 12.8 | 158.5 | 12.2 | 241.5 | 11.0 |
| 16.6 | 19.5 | 52.5 | 16.5 | 82.5 | 12.7 | 160.4 | 12.2 | 242.4 | 11.0 |
| 16.6 | 19.5 | 53.5 | 16.4 | 83.5 | 12.5 | 162.3 | 12.2 | 244.3 | 10.9 |
| 16.6 | 19.4 | 53.5 | 16.3 | 84.4 | 12.5 | 164.2 | 12.2 | 246.2 | 10.9 |
| 16.6 | 19.3 | 54.4 | 16.3 | 85.4 | 12.5 | 166.2 | 12.2 | 248.1 | 10.9 |
| 16.6 | 19.3 | 54.4 | 16.2 | 86.4 | 12.7 | 169.0 | 12.1 | 249.0 | 10.8 |
| 17.5 | 19.2 | 55.4 | 16.1 | 87.3 | 12.7 | 171.9 | 12.1 | 250.9 | 10.8 |
| 18.5 | 19.2 | 55.4 | 16.1 | 88.3 | 12.7 | 173.8 | 12.1 | 251.9 | 10.8 |
| 19.5 | 19.1 | 55.4 | 15.9 | 90.2 | 12.7 | 175.7 | 12.1 | 252.8 | 10.8 |
| 20.4 | 19.1 | 56.4 | 15.8 | 92.1 | 12.7 | 177.6 | 12.1 | 255.7 | 10.8 |
| 22.4 | 19.1 | 57.3 | 15.8 | 93.1 | 12.7 | 180.5 | 12.1 | 256.6 | 10.8 |
| 22.4 | 19.1 | 58.3 | 15.8 | 94.1 | 12.8 | 182.4 | 12.1 | 256.6 | 10.7 |
| 23.4 | 19.1 | 58.3 | 15.8 | 95.0 | 12.9 | 183.4 | 12.1 | 258.5 | 10.7 |
| 24.3 | 19.2 | 59.3 | 15.7 | 96.0 | 12.9 | 184.3 | 12.1 | 259.5 | 10.7 |
| 25.3 | 19.2 | 60.2 | 15.6 | 97.9 | 12.9 | 185.3 | 12.0 | 260.4 | 10.7 |
| 26.3 | 19.2 | 60.2 | 15.5 | 98.9 | 12.9 | 185.3 | 11.9 | 260.4 | 10.6 |
| 27.3 | 19.2 | 61.2 | 15.4 | 99.9 | 12.9 | 186.2 | 11.9 | 261.4 | 10.6 |
| 27.3 | 19.2 | 61.2 | 15.3 | 100.8 | 12.9 | 190.1 | 11.9 | 262.3 | 10.5 |
| 29.2 | 19.1 | 61.2 | 15.2 | 101.8 | 12.8 | 192.9 | 11.9 | 263.3 | 10.5 |
| 30.2 | 19.0 | 61.2 | 15.1 | 102.8 | 12.8 | 194.8 | 11.9 | 265.1 | 10.5 |
| 31.1 | 18.9 | 62.2 | 15.0 | 103.7 | 12.8 | 196.7 | 11.9 | 266.1 | 10.5 |
| 33.1 | 18.8 | 62.2 | 14.8 | 105.6 | 12.7 | 197.7 | 11.8 | 268.0 | 10.5 |
| 34.1 | 18.7 | 62.2 | 14.7 | 106.6 | 12.7 | 199.6 | 11.8 | 268.9 | 10.5 |

STA 75 DAY: 14 TIME: 1151

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|
| 268.9 | 10.5 | 330.2 | 7.5 | 419.0 | 6.1 |
| 269.9 | 10.4 | 332.1 | 7.5 | 420.9 | 6.1 |
| 272.7 | 10.4 | 332.1 | 7.5 | 421.8 | 6.1 |
| 274.6 | 10.4 | 334.0 | 7.4 | 422.7 | 6.0 |
| 275.6 | 10.3 | 336.8 | 7.4 | 424.6 | 5.9 |
| 277.4 | 10.3 | 339.6 | 7.4 | 427.4 | 5.9 |
| 278.4 | 10.2 | 342.4 | 7.4 | 431.1 | 5.9 |
| 279.3 | 10.2 | 343.4 | 7.4 | 434.8 | 5.9 |
| 280.3 | 10.1 | 346.2 | 7.4 | 436.7 | 5.9 |
| 282.2 | 10.1 | 349.0 | 7.3 | 440.4 | 5.9 |
| 284.1 | 10.1 | 350.9 | 7.4 | 444.1 | 5.9 |
| 286.9 | 10.1 | 352.7 | 7.3 | 447.8 | 5.9 |
| 287.8 | 10.1 | 353.7 | 7.3 | 450.6 | 5.9 |
| 290.7 | 10.1 | 356.5 | 7.3 | | |
| 291.6 | 10.1 | 357.4 | 7.2 | | |
| 292.6 | 10.0 | 360.2 | 7.2 | | |
| 293.5 | 10.0 | 363.0 | 7.2 | | |
| 295.4 | 9.9 | 364.0 | 7.1 | | |
| 297.3 | 9.8 | 366.8 | 7.1 | | |
| 297.3 | 9.8 | 368.7 | 7.0 | | |
| 298.2 | 9.7 | 370.5 | 6.9 | | |
| 300.1 | 9.7 | 372.4 | 6.9 | | |
| 301.0 | 9.6 | 373.3 | 6.8 | | |
| 301.0 | 9.5 | 375.2 | 6.8 | | |
| 302.0 | 9.4 | 377.1 | 6.8 | | |
| 302.0 | 9.3 | 379.9 | 6.8 | | |
| 304.8 | 9.3 | 381.7 | 6.7 | | |
| 305.8 | 9.2 | 382.7 | 6.7 | | |
| 305.8 | 9.1 | 386.4 | 6.7 | | |
| 306.7 | 9.0 | 388.3 | 6.7 | | |
| 306.7 | 8.9 | 392.0 | 6.7 | | |
| 307.6 | 8.8 | 393.9 | 6.7 | | |
| 308.6 | 8.7 | 395.7 | 6.7 | | |
| 308.6 | 8.5 | 398.5 | 6.6 | | |
| 308.6 | 8.4 | 400.4 | 6.6 | | |
| 309.5 | 8.3 | 401.3 | 6.6 | | |
| 310.5 | 8.3 | 402.3 | 6.5 | | |
| 311.4 | 8.2 | 403.2 | 6.5 | | |
| 312.4 | 8.2 | 404.1 | 6.4 | | |
| 313.3 | 8.1 | 404.1 | 6.4 | | |
| 314.2 | 8.0 | 405.1 | 6.3 | | |
| 315.2 | 7.9 | 406.0 | 6.3 | | |
| 316.1 | 7.7 | 407.8 | 6.2 | | |
| 317.1 | 7.7 | 408.8 | 6.2 | | |
| 318.0 | 7.6 | 408.8 | 6.1 | | |
| 318.9 | 7.5 | 410.6 | 6.1 | | |
| 320.8 | 7.5 | 411.6 | 6.1 | | |
| 322.7 | 7.5 | 413.4 | 6.1 | | |
| 324.6 | 7.5 | 416.2 | 6.1 | | |
| 327.4 | 7.5 | 417.2 | 6.1 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 76 | 14 JUL 1982 | 1131 | 40°25.0'N | 68°07.0'W | 285 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.7 | 21.059 | 34.331 | 5.27 | 0.34 | 23.970 | 0.000 | 1524. | 12.0 |
| 2 | 2.0 | 21.067 | 34.339 | 5.27 | 0.34 | 23.974 | 0.005 | 1524. | 12.0 |
| 4 | 4.0 | 21.286 | 34.530 | 5.28 | 0.35 | 24.060 | 0.013 | 1525. | 12.0 |
| 6 | 6.0 | 21.53[illegible] | 34.751 | 5.25 | 0.35 | 24.159 | 0.020 | 1525. | 12.0 |
| 8 | 8.1 | 21.571 | 34.851 | 5.28 | 0.34 | 24.225 | 0.028 | 1526. | 12.0 |
| 10 | 9.9 | 21.407 | 34.835 | 5.40 | 0.34 | 24.258 | 0.035 | 1525. | 12.7 |
| 12 | 12.1 | 20.564 | 34.691 | 5.53 | 0.37 | 24.378 | 0.043 | 1523. | 13.1 |
| 14 | 13.9 | 19.828 | 34.608 | 5.70 | 0.38 | 24.509 | 0.049 | 1521. | 13.1 |
| 16 | 16.0 | 19.128 | 34.631 | 5.81 | 0.38 | 24.707 | 0.056 | 1519. | 13.1 |
| 18 | 17.9 | 19.318 | 34.826 | 5.83 | 0.37 | 24.808 | 0.062 | 1520. | 12.8 |
| 20 | 20.0 | 19.208 | 34.892 | 5.83 | 0.38 | 24.886 | 0.069 | 1519. | 12.0 |
| 22 | 22.0 | 18.958 | 34.861 | 5.87 | 0.38 | 24.927 | 0.075 | 1519. | 10.8 |
| 24 | 24.0 | 18.961 | 34.987 | 5.88 | 0.37 | 25.022 | 0.081 | 1519. | 10.0 |
| 26 | 26.0 | 19.100 | 35.116 | 5.86 | 0.36 | 25.086 | 0.086 | 1520. | 10.4 |
| 28 | 28.0 | 19.170 | 35.174 | 5.82 | 0.36 | 25.112 | 0.092 | 1520. | 10.7 |
| 30 | 30.1 | 18.889 | 35.120 | 5.84 | 0.36 | 25.142 | 0.098 | 1519. | 11.0 |
| 32 | 31.9 | 18.719 | 35.204 | 5.86 | 0.35 | 25.250 | 0.103 | 1519. | 11.0 |
| 34 | 34.0 | 18.477 | 35.359 | 5.88 | 0.35 | 25.429 | 0.109 | 1518. | 10.8 |
| 36 | 36.0 | 18.409 | 35.383 | 5.88 | 0.35 | 25.465 | 0.114 | 1518. | 10.3 |
| 38 | 38.0 | 18.198 | 35.424 | 5.94 | 0.36 | 25.549 | 0.119 | 1517. | 9.4 |
| 40 | 39.9 | 18.136 | 35.435 | 5.96 | 0.35 | 25.572 | 0.123 | 1517. | 8.2 |
| 42 | 42.1 | 18.077 | 35.433 | 5.93 | 0.35 | 25.[illegible]6 | 0.129 | 1517. | 7.1 |
| 44 | 44.0 | 18.020 | 35.438 | 5.92 | 0.34 | 25.603 | 0.133 | 1517. | 7.8 |
| 46 | 46.1 | 17.967 | 35.440 | 5.87 | 0.35 | 25.618 | 0.138 | 1517. | 8.4 |
| 48 | 47.9 | 17.797 | 35.455 | 5.79 | 0.34 | 25.672 | 0.142 | 1516. | 9.4 |
| 50 | 50.0 | 17.613 | 35.448 | 5.66 | 0.34 | 25.711 | 0.147 | 1516. | 10.0 |
| 52 | 52.0 | 16.903 | 35.414 | 5.68 | 0.32 | 25.856 | 0.152 | 1514. | 10.4 |
| 54 | 54.0 | 16.546 | 35.395 | 5.63 | 0.30 | 25.926 | 0.156 | 1513. | 10.3 |
| 56 | 56.0 | 16.219 | 35.402 | 5.57 | 0.28 | 26.007 | 0.160 | 1512. | 10.0 |
| 58 | 58.0 | 16.146 | 35.408 | 5.45 | 0.26 | 26.029 | 0.164 | 1512. | 9.5 |
| 60 | 60.0 | 16.009 | 35.443 | 5.34 | 0.24 | 26.088 | 0.168 | 1511. | 8.8 |
| 62 | 62.1 | 15.929 | 35.462 | 5.23 | 0.22 | 26.120 | 0.172 | 1511. | 8.6 |
| 63 | 64.0 | 15.750 | 35.484 | 5.11 | 0.21 | 26.178 | 0.176 | 1511. | 8.5 |
| 65 | 65.9 | 15.648 | 35.484 | 5.00 | 0.20 | 26.201 | 0.179 | 1510. | 8.5 |
| 67 | 68.0 | 15.242 | 35.451 | 4.96 | 0.18 | 26.267 | 0.183 | 1509. | 8.5 |
| 70 | 70.1 | 14.834 | 35.408 | 4.95 | 0.18 | 26.324 | 0.186 | 1508. | 8.5 |
| 71 | 72.0 | 14.596 | 35.394 | 4.92 | 0.17 | 26.365 | 0.190 | 1507. | 8.2 |
| 73 | 74.1 | 14.483 | 35.385 | 4.86 | 0.16 | 26.382 | 0.193 | 1507. | 7.8 |
| 75 | 75.9 | 14.154 | 35.386 | 4.86 | 0.16 | 26.454 | 0.196 | 1506. | 7.2 |
| 77 | 78.0 | 13.983 | 35.376 | 4.85 | 0.15 | 26.482 | 0.199 | 1505. | 6.6 |
| 79 | 80.0 | 13.919 | 35.363 | 4.82 | 0.15 | 26.485 | 0.202 | 1505. | 6.2 |
| 81 | 82.0 | 13.720 | 35.345 | 4.81 | 0.15 | 26.513 | 0.206 | 1504. | 6.2 |
| 83 | 84.0 | 13.636 | 35.339 | 4.77 | 0.15 | 26.526 | 0.209 | 1504. | 5.9 |
| 85 | 86.0 | 13.476 | 35.313 | 4.74 | 0.15 | 26.539 | 0.212 | 1504. | 6.0 |
| 87 | 87.9 | 13.243 | 35.279 | 4.70 | 0.14 | 26.560 | 0.215 | 1503. | 6.1 |
| 89 | 90.0 | 12.761 | 35.229 | 4.76 | 0.14 | 26.619 | 0.218 | 1501. | 5.8 |
| 91 | 92.0 | 12.807 | 35.269 | 4.73 | 0.14 | 26.640 | 0.220 | 1501. | 5.5 |
| 93 | 94.0 | 12.893 | 35.299 | 4.71 | 0.14 | 26.646 | 0.223 | 1502. | 5.1 |
| 95 | 96.0 | 12.934 | 35.317 | 4.68 | 0.14 | 26.653 | 0.226 | 1502. | 4.6 |
| 97 | 98.0 | 12.944 | 35.326 | 4.66 | 0.14 | 26.658 | 0.229 | 1502. | 4.0 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 76 | 14 JUL 1982 | 1131 | 40°25.0'N | 68°07.0'W | 285 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.1 | 12.953 | 35.337 | 4.65 | 0.13 | 26.664 | 0.232 | 1502. | 3.8 |
| 101 | 102.0 | 13.047 | 35.393 | 4.64 | 0.13 | 26.688 | 0.234 | 1502. | 3.7 |
| 103 | 104.0 | 13.125 | 35.425 | 4.64 | 0.12 | 26.698 | 0.237 | 1503. | 3.8 |
| 105 | 106.0 | 13.154 | 35.438 | 4.64 | 0.12 | 26.702 | 0.240 | 1503. | 3.9 |
| 107 | 108.1 | 13.168 | 35.447 | 4.65 | 0.12 | 26.706 | 0.243 | 1503. | 3.8 |
| 109 | 110.0 | 13.173 | 35.449 | 4.68 | 0.11 | 26.707 | 0.245 | 1503. | 3.6 |
| 111 | 112.0 | 12.963 | 35.427 | 4.72 | 0.11 | 26.732 | 0.248 | 1502. | 3.5 |
| 113 | 114.0 | 12.859 | 35.413 | 4.74 | 0.11 | 26.742 | 0.251 | 1502. | 3.3 |
| 115 | 116.1 | 12.844 | 35.412 | 4.73 | 0.11 | 26.744 | 0.253 | 1502. | 3.0 |
| 117 | 118.0 | 12.834 | 35.414 | 4.72 | 0.11 | 26.748 | 0.256 | 1502. | 3.2 |
| 119 | 120.0 | 12.830 | 35.416 | 4.70 | 0.11 | 26.750 | 0.259 | 1502. | 3.6 |
| 121 | 121.9 | 12.835 | 35.415 | 4.63 | 0.11 | 26.748 | 0.261 | 1502. | 4.4 |
| 123 | 124.0 | 12.825 | 35.413 | 4.56 | 0.11 | 26.749 | 0.264 | 1502. | 5.0 |
| 125 | 126.1 | 12.761 | 35.443 | 4.53 | 0.11 | 26.785 | 0.267 | 1502. | 5.2 |
| 127 | 128.0 | 12.648 | 35.461 | 4.51 | 0.11 | 26.821 | 0.269 | 1502. | 5.2 |
| 129 | 129.9 | 12.550 | 35.472 | 4.50 | 0.11 | 26.849 | 0.271 | 1501. | 5.0 |
| 131 | 132.0 | 12.531 | 35.474 | 4.48 | 0.11 | 26.855 | 0.274 | 1501. | 4.5 |
| 133 | 134.1 | 12.527 | 35.475 | 4.46 | 0.11 | 26.856 | 0.276 | 1501. | 3.5 |
| 135 | 135.9 | 12.523 | 35.476 | 4.45 | 0.11 | 26.857 | 0.279 | 1501. | 2.6 |
| 137 | 138.0 | 12.509 | 35.476 | 4.43 | 0.11 | 26.860 | 0.281 | 1501. | 1.9 |
| 139 | 140.1 | 12.503 | 35.475 | 4.41 | 0.11 | 26.861 | 0.284 | 1501. | 1.8 |
| 141 | 142.0 | 12.487 | 35.476 | 4.41 | 0.11 | 26.865 | 0.286 | 1501. | 1.9 |
| 143 | 144.0 | 12.481 | 35.476 | 4.39 | 0.11 | 26.866 | 0.288 | 1501. | 1.8 |
| 145 | 146.0 | 12.480 | 35.478 | 4.39 | 0.11 | 26.867 | 0.291 | 1501. | 1.7 |
| 147 | 148.0 | 12.468 | 35.480 | 4.39 | 0.11 | 26.872 | 0.293 | 1501. | 1.4 |
| 149 | 150.0 | 12.467 | 35.481 | 4.40 | 0.11 | 26.872 | 0.296 | 1501. | 1.2 |
| 151 | 152.0 | 12.469 | 35.480 | 4.38 | 0.11 | 26.871 | 0.298 | 1501. | 1.2 |
| 153 | 154.0 | 12.463 | 35.480 | 4.38 | 0.11 | 26.873 | 0.301 | 1502. | 1.4 |
| 155 | 156.0 | 12.474 | 35.479 | 4.36 | 0.11 | 26.870 | 0.303 | 1502. | 1.5 |
| 157 | 158.1 | 12.462 | 35.480 | 4.35 | 0.11 | 26.873 | 0.306 | 1502. | 1.8 |
| 159 | 159.9 | 12.449 | 35.480 | 4.34 | 0.11 | 26.876 | 0.308 | 1502. | 1.9 |
| 161 | 162.0 | 12.422 | 35.481 | 4.34 | 0.11 | 26.881 | 0.310 | 1501. | 1.9 |
| 163 | 164.0 | 12.408 | 35.481 | 4.33 | 0.11 | 26.884 | 0.313 | 1501. | 1.9 |
| 165 | 166.1 | 12.403 | 35.481 | 4.34 | 0.11 | 26.885 | 0.315 | 1501. | 1.9 |
| 166 | 167.8 | 12.402 | 35.482 | 4.34 | 0.11 | 26.886 | 0.317 | 1502. | 1.8 |
| 169 | 170.0 | 12.408 | 35.480 | 4.31 | 0.11 | 26.883 | 0.320 | 1502. | 1.8 |
| 171 | 172.1 | 12.379 | 35.480 | 4.30 | 0.11 | 26.889 | 0.322 | 1502. | 2.5 |
| 173 | 174.0 | 12.357 | 35.481 | 4.28 | 0.11 | 26.894 | 0.325 | 1501. | 3.1 |
| 175 | 176.0 | 12.354 | 35.481 | 4.23 | 0.11 | 26.895 | 0.327 | 1501. | 3.5 |
| 177 | 178.0 | 12.329 | 35.477 | 4.18 | 0.11 | 26.897 | 0.329 | 1501. | 3.8 |
| 179 | 180.0 | 12.189 | 35.477 | 4.17 | 0.11 | 26.924 | 0.332 | 1501. | 3.8 |
| 181 | 182.0 | 12.103 | 35.475 | 4.16 | 0.11 | 26.939 | 0.334 | 1501. | 3.7 |
| 183 | 184.1 | 12.080 | 35.474 | 4.15 | 0.11 | 26.943 | 0.336 | 1501. | 3.8 |
| 184 | 185.9 | 12.066 | 35.473 | 4.12 | 0.11 | 26.945 | 0.339 | 1501. | 3.6 |
| 186 | 188.0 | 12.035 | 35.472 | 4.08 | 0.11 | 26.949 | 0.341 | 1501. | 3.3 |
| 188 | 190.0 | 12.009 | 35.470 | 4.05 | 0.11 | 26.953 | 0.343 | 1501. | 3.3 |
| 190 | 192.0 | 11.916 | 35.468 | 4.04 | 0.11 | 26.969 | 0.346 | 1500. | 3.3 |
| 192 | 194.0 | 11.877 | 35.463 | 4.02 | 0.11 | 26.973 | 0.348 | 1500. | 3.2 |
| 194 | 196.0 | 11.809 | 35.463 | 4.02 | 0.11 | 26.986 | 0.350 | 1500. | 3.0 |
| 196 | 198.0 | 11.802 | 35.462 | 4.01 | 0.11 | 26.987 | 0.352 | 1500. | 2.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 76 | 14 JUL 1982 | 1131 | 40°25.0'N | 68°07.0'W | 285 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 200.0 | 11.795 | 35.462 | 4.00 | 0.11 | 26.988 | 0.354 | 1500. | 2.2 |
| 200 | 202.0 | 11.786 | 35.461 | 3.98 | 0.11 | 26.989 | 0.357 | 1500. | 2.1 |
| 202 | 204.0 | 11.757 | 35.460 | 3.98 | 0.11 | 26.993 | 0.359 | 1500. | 1.7 |
| 204 | 206.0 | 11.757 | 35.460 | 3.96 | 0.11 | 26.993 | 0.361 | 1500. | 1.6 |
| 206 | 208.0 | 11.750 | 35.458 | 3.96 | 0.11 | 26.993 | 0.363 | 1500. | 1.4 |
| 208 | 210.0 | 11.690 | 35.457 | 3.96 | 0.11 | 27.004 | 0.365 | 1500. | 1.6 |
| 210 | 212.1 | 11.730 | 35.457 | 3.95 | 0.12 | 26.997 | 0.368 | 1500. | 1.6 |
| 212 | 214.0 | 11.744 | 35.459 | 3.94 | 0.11 | 26.995 | 0.370 | 1500. | 1.8 |
| 214 | 215.9 | 11.728 | 35.454 | 3.93 | 0.11 | 26.995 | 0.372 | 1500. | 1.7 |
| 216 | 218.0 | 11.649 | 35.452 | 3.94 | 0.11 | 27.008 | 0.374 | 1500. | 1.5 |
| 218 | 220.0 | 11.652 | 35.451 | 3.95 | 0.11 | 27.006 | 0.377 | 1500. | 1.7 |
| 220 | 222.0 | 11.632 | 35.451 | 3.95 | 0.11 | 27.011 | 0.379 | 1500. | 1.6 |
| 222 | 224.0 | 11.665 | 35.453 | 3.94 | 0.11 | 27.006 | 0.381 | 1500. | 1.5 |
| 224 | 226.0 | 11.661 | 35.453 | 3.93 | 0.12 | 27.007 | 0.383 | 1500. | 1.3 |
| 226 | 228.0 | 11.648 | 35.452 | 3.92 | 0.11 | 27.008 | 0.385 | 1500. | 1.8 |
| 228 | 230.0 | 11.637 | 35.449 | 3.92 | 0.11 | 27.008 | 0.387 | 1500. | 2.0 |
| 230 | 232.0 | 11.582 | 35.445 | 3.92 | 0.11 | 27.015 | 0.390 | 1500. | 2.2 |
| 232 | 234.0 | 11.562 | 35.442 | 3.91 | 0.12 | 27.016 | 0.392 | 1500. | 2.3 |
| 234 | 236.0 | 11.505 | 35.439 | 3.91 | 0.12 | 27.025 | 0.394 | 1500. | 2.2 |
| 236 | 238.0 | 11.519 | 35.442 | 3.91 | 0.12 | 27.025 | 0.396 | 1500. | 2.3 |
| 238 | 240.0 | 11.503 | 35.440 | 3.90 | 0.11 | 27.026 | 0.398 | 1500. | 2.3 |
| 240 | 241.9 | 11.496 | 35.441 | 3.89 | 0.11 | 27.028 | 0.400 | 1500. | 2.6 |
| 242 | 244.0 | 11.463 | 35.434 | 3.88 | 0.11 | 27.028 | 0.403 | 1500. | 2.9 |
| 244 | 246.0 | 11.375 | 35.429 | 3.88 | 0.11 | 27.041 | 0.405 | 1499. | 3.1 |
| 246 | 248.0 | 11.350 | 35.425 | 3.87 | 0.12 | 27.042 | 0.407 | 1499. | 3.6 |
| 248 | 250.1 | 11.245 | 35.416 | 3.88 | 0.12 | 27.055 | 0.409 | 1499. | 3.8 |
| 250 | 251.9 | 11.177 | 35.412 | 3.87 | 0.12 | 27.064 | 0.411 | 1499. | 3.8 |
| 252 | 254.0 | 11.098 | 35.394 | 3.86 | 0.12 | 27.065 | 0.413 | 1498. | 3.7 |
| 254 | 256.1 | 10.937 | 35.390 | 3.88 | 0.12 | 27.092 | 0.415 | 1498. | 3.6 |
| 256 | 258.0 | 10.933 | 35.390 | 3.88 | 0.12 | 27.092 | 0.417 | 1498. | 3.2 |
| 258 | 260.0 | 10.919 | 35.391 | 3.90 | 0.12 | 27.095 | 0.419 | 1498. | 2.8 |
| 259 | 261.2 | 10.924 | 35.390 | 3.92 | 0.12 | 27.094 | 0.421 | 1498. | 2.4 |
| 260 | 262.0 | 10.922 | 35.391 | 3.93 | 0.12 | 27.095 | 0.421 | 1498. | 1.9 |
| 261 | 263.0 | 10.940 | 35.390 | 3.94 | 0.12 | 27.091 | 0.422 | 1498. | 2.5 |
| 262 | 264.0 | 10.936 | 35.392 | 3.95 | 0.13 | 27.093 | 0.424 | 1498. | 2.8 |
| 263 | 265.0 | 10.885 | 35.382 | 3.97 | 0.13 | 27.095 | 0.425 | 1498. | 3.2 |
| 264 | 266.0 | 10.776 | 35.377 | 3.99 | 0.14 | 27.111 | 0.426 | 1497. | 3.2 |
| 265 | 267.0 | 10.775 | 35.376 | 4.00 | 0.14 | 27.110 | 0.427 | 1497. | 3.2 |
| 266 | 268.0 | 10.770 | 35.375 | 4.01 | 0.14 | 27.110 | 0.428 | 1497. | 2.9 |
| 267 | 269.0 | 10.748 | 35.374 | 4.02 | 0.14 | 27.113 | 0.429 | 1497. | 2.4 |
| 268 | 270.0 | 10.743 | 35.373 | 4.02 | 0.14 | 27.113 | 0.430 | 1497. | 1.6 |
| 269 | 271.0 | 10.736 | 35.373 | 4.03 | 0.14 | 27.114 | 0.431 | 1497. | 1.6 |
| 270 | 272.0 | 10.736 | 35.373 | 4.03 | 0.14 | 27.114 | 0.432 | 1497. | 1.4 |
| 271 | 273.0 | 10.731 | 35.372 | 4.03 | 0.14 | 27.115 | 0.433 | 1497. | 1.2 |
| 272 | 274.0 | 10.725 | 35.372 | 4.04 | 0.15 | 27.115 | 0.434 | 1497. | 1.2 |
| 273 | 275.0 | 10.723 | 35.371 | 4.04 | 0.15 | 27.115 | 0.435 | 1497. | 1.4 |
| 274 | 276.0 | 10.717 | 35.370 | 4.03 | 0.15 | 27.116 | 0.436 | 1497. | 1.5 |
| 275 | 277.0 | 10.712 | 35.371 | 4.03 | 0.15 | 27.117 | 0.437 | 1497. | 1.5 |
| 276 | 278.0 | 10.711 | 35.370 | 4.03 | 0.15 | 27.116 | 0.438 | 1497. | 1.5 |
| 277 | 279.0 | 10.692 | 35.370 | 4.02 | 0.15 | 27.120 | 0.439 | 1497. | 1.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 76 | 14 JUL 1982 | 1131 | 40°25.0'N | 68°07.0'W | 285 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 277 | 279.6 | 10.693 | 35.370 | 4.02 | 0.15 | 27.120 | 0.439 | 1497. | 1.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 77 | 14 JUL 1982 | 1206 | 40°25.0'N | 68°06.0'W | 148 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.7 | 22.654 | 34.987 | 5.01 | 0.25 | 24.025 | 0.000 | 1529. | 14.0 |
| 2 | 2.1 | 22.655 | 35.009 | 5.00 | 0.25 | 24.041 | 0.005 | 1529. | 14.0 |
| 4 | 4.0 | 22.602 | 35.019 | 5.08 | 0.25 | 24.063 | 0.012 | 1529. | 14.0 |
| 6 | 6.1 | 21.375 | 34.618 | 5.35 | 0.30 | 24.102 | 0.020 | 1525. | 14.0 |
| 8 | 8.0 | 21.407 | 34.816 | 5.33 | 0.34 | 24.244 | 0.028 | 1525. | 14.0 |
| 10 | 10.0 | 19.861 | 34.415 | 5.71 | 0.36 | 24.353 | 0.035 | 1521. | 14.9 |
| 12 | 12.0 | 19.292 | 34.461 | 5.80 | 0.42 | 24.536 | 0.042 | 1519. | 15.6 |
| 14 | 14.0 | 19.047 | 34.744 | 5.94 | 0.42 | 24.815 | 0.048 | 1519. | 15.5 |
| 16 | 16.0 | 18.883 | 34.871 | 5.96 | 0.41 | 24.954 | 0.054 | 1518. | 14.6 |
| 18 | 18.1 | 19.025 | 35.062 | 5.91 | 0.39 | 25.064 | 0.061 | 1519. | 13.3 |
| 20 | 20.0 | 19.059 | 35.218 | 5.90 | 0.37 | 25.174 | 0.066 | 1519. | 11.9 |
| 22 | 22.0 | 18.799 | 35.173 | 5.91 | 0.38 | 25.206 | 0.072 | 1519. | 10.2 |
| 24 | 24.0 | 18.594 | 35.144 | 5.92 | 0.39 | 25.236 | 0.077 | 1518. | 9.2 |
| 26 | 26.1 | 18.503 | 35.157 | 5.93 | 0.39 | 25.268 | 0.083 | 1518. | 8.3 |
| 28 | 27.9 | 18.528 | 35.283 | 5.93 | 0.39 | 25.359 | 0.088 | 1518. | 8.0 |
| 30 | 30.0 | 18.570 | 35.330 | 5.86 | 0.38 | 25.384 | 0.093 | 1518. | 8.2 |
| 32 | 32.1 | 18.613 | 35.372 | 5.85 | 0.37 | 25.405 | 0.099 | 1519. | 8.8 |
| 34 | 34.0 | 18.581 | 35.396 | 5.81 | 0.36 | 25.432 | 0.103 | 1518. | 9.2 |
| 36 | 36.0 | 18.323 | 35.391 | 5.81 | 0.34 | 25.492 | 0.108 | 1518. | 9.9 |
| 38 | 37.9 | 18.038 | 35.385 | 5.79 | 0.34 | 25.558 | 0.113 | 1517. | 10.6 |
| 40 | 40.1 | 17.665 | 35.406 | 5.83 | 0.34 | 25.666 | 0.118 | 1516. | 10.9 |
| 42 | 41.9 | 17.464 | 35.432 | 5.80 | 0.36 | 25.736 | 0.123 | 1515. | 10.9 |
| 44 | 44.0 | 16.950 | 35.447 | 5.79 | 0.37 | 25.870 | 0.127 | 1514. | 10.7 |
| 46 | 46.0 | 16.811 | 35.448 | 5.69 | 0.34 | 25.904 | 0.131 | 1514. | 10.4 |
| 48 | 48.0 | 16.680 | 35.453 | 5.59 | 0.32 | 25.939 | 0.136 | 1513. | 9.9 |
| 50 | 49.9 | 16.485 | 35.458 | 5.53 | 0.30 | 25.988 | 0.139 | 1513. | 9.4 |
| 52 | 52.1 | 16.188 | 35.474 | 5.48 | 0.29 | 26.070 | 0.144 | 1512. | 8.6 |
| 53 | 53.8 | 15.895 | 35.478 | 5.36 | 0.26 | 26.141 | 0.147 | 1511. | 8.5 |
| 56 | 56.0 | 15.777 | 35.484 | 5.14 | 0.25 | 26.172 | 0.151 | 1511. | 8.4 |
| 58 | 58.0 | 15.695 | 35.481 | 5.07 | 0.25 | 26.188 | 0.155 | 1510. | 8.0 |
| 60 | 60.0 | 15.627 | 35.484 | 4.98 | 0.23 | 26.206 | 0.158 | 1510. | 7.4 |
| 62 | 62.1 | 15.498 | 35.513 | 4.94 | 0.23 | 26.258 | 0.162 | 1510. | 7.0 |
| 63 | 64.0 | 15.191 | 35.511 | 4.96 | 0.21 | 26.324 | 0.165 | 1509. | 6.8 |
| 66 | 66.1 | 15.130 | 35.504 | 4.86 | 0.20 | 26.333 | 0.169 | 1509. | 6.6 |
| 67 | 67.9 | 15.018 | 35.486 | 4.86 | 0.20 | 26.344 | 0.172 | 1508. | 6.0 |
| 69 | 70.0 | 14.834 | 35.467 | 4.80 | 0.19 | 26.370 | 0.176 | 1508. | 5.2 |
| 71 | 72.0 | 14.699 | 35.452 | 4.79 | 0.19 | 26.387 | 0.179 | 1507. | 4.3 |
| 73 | 74.0 | 14.538 | 35.422 | 4.81 | 0.19 | 26.399 | 0.182 | 1507. | 4.0 |
| 75 | 76.0 | 14.487 | 35.413 | 4.82 | 0.19 | 26.403 | 0.186 | 1507. | 3.7 |
| 77 | 78.0 | 14.502 | 35.420 | 4.80 | 0.19 | 26.405 | 0.189 | 1507. | 3.4 |
| 79 | 80.1 | 14.482 | 35.416 | 4.83 | 0.18 | 26.407 | 0.192 | 1507. | 3.3 |
| 81 | 81.9 | 14.383 | 35.394 | 4.77 | 0.18 | 26.411 | 0.195 | 1507. | 3.6 |
| 83 | 84.0 | 14.128 | 35.346 | 4.81 | 0.19 | 26.428 | 0.199 | 1506. | 3.9 |
| 85 | 86.0 | 13.937 | 35.308 | 4.83 | 0.18 | 26.439 | 0.202 | 1505. | 4.3 |
| 87 | 88.0 | 13.925 | 35.314 | 4.83 | 0.19 | 26.446 | 0.205 | 1505. | 4.7 |
| 89 | 90.0 | 13.953 | 35.345 | 4.84 | 0.18 | 26.465 | 0.208 | 1505. | 5.0 |
| 91 | 92.0 | 13.937 | 35.355 | 4.79 | 0.18 | 26.476 | 0.211 | 1505. | 5.3 |
| 93 | 94.0 | 13.822 | 35.343 | 4.77 | 0.18 | 26.491 | 0.214 | 1505. | 5.6 |
| 95 | 96.1 | 13.573 | 35.322 | 4.80 | 0.18 | 26.526 | 0.218 | 1504. | 5.9 |
| 97 | 97.9 | 13.358 | 35.285 | 4.84 | 0.18 | 26.541 | 0.220 | 1503. | 6.0 |
| 99 | 100.1 | 13.070 | 35.244 | 4.77 | 0.18 | 26.569 | 0.224 | 1502. | 6.0 |
| 101 | 101.9 | 12.947 | 35.234 | 4.78 | 0.18 | 26.585 | 0.226 | 1502. | 6.1 |
| 103 | 104.0 | 12.873 | 35.254 | 4.74 | 0.18 | 26.616 | 0.229 | 1502. | 6.1 |
| 105 | 106.2 | 12.881 | 35.280 | 4.77 | 0.17 | 26.634 | 0.233 | 1502. | 6.1 |
| 107 | 107.9 | 12.891 | 35.303 | 4.70 | 0.17 | 26.651 | 0.235 | 1502. | 6.0 |
| 109 | 110.1 | 12.971 | 35.370 | 4.67 | 0.16 | 26.686 | 0.238 | 1502. | 6.1 |
| 111 | 112.0 | 13.105 | 35.437 | 4.69 | 0.15 | 26.711 | 0.241 | 1503. | 6.1 |
| 113 | 114.0 | 13.072 | 35.452 | 4.63 | 0.14 | 26.730 | 0.243 | 1503. | 6.0 |
| 115 | 116.1 | 13.000 | 35.453 | 4.63 | 0.14 | 26.745 | 0.246 | 1503. | 5.8 |
| 117 | 117.9 | 12.831 | 35.457 | 4.62 | 0.14 | 26.781 | 0.248 | 1502. | 5.5 |
| 119 | 120.0 | 12.680 | 35.438 | 4.60 | 0.13 | 26.797 | 0.251 | 1502. | 5.4 |
| 121 | 122.0 | 12.603 | 35.434 | 4.60 | 0.13 | 26.810 | 0.254 | 1501. | 5.5 |
| 123 | 124.0 | 12.581 | 35.442 | 4.62 | 0.13 | 26.820 | 0.256 | 1501. | 5.6 |
| 125 | 126.0 | 12.547 | 35.450 | 4.56 | 0.13 | 26.833 | 0.259 | 1501. | 5.6 |
| 127 | 128.0 | 12.513 | 35.478 | 4.53 | 0.13 | 26.861 | 0.261 | 1501. | 5.5 |
| 129 | 130.0 | 12.385 | 35.486 | 4.39 | 0.13 | [illegible] | [illegible] | 1501. | 5.4 |
| 131 | 132.0 | 12.255 | 35.487 | 4.34 | 0.13 | 26.919 | 0.266 | 1500. | 5.0 |
| 133 | 133.9 | 12.193 | 35.484 | 4.30 | 0.13 | 26.929 | 0.268 | 1500. | 4.6 |
| 135 | 136.1 | 12.190 | 35.487 | 4.17 | 0.13 | 26.932 | 0.271 | 1500. | 4.0 |
| 137 | 137.9 | 12.191 | 35.489 | 4.12 | 0.13 | 26.932 | 0.273 | 1500. | 3.4 |
| 139 | 140.0 | 12.181 | 35.496 | 4.10 | 0.14 | 26.940 | 0.275 | 1500. | 2.9 |
| 140 | 141.3 | 12.167 | 35.498 | 4.14 | 0.14 | 26.944 | 0.277 | 1500. | 2.9 |
| 141 | 142.0 | 12.139 | 35.494 | 4.13 | 0.14 | 26.947 | 0.277 | 1500. | 3.0 |
| 142 | 143.0 | 12.107 | 35.490 | 4.10 | 0.14 | 26.950 | 0.278 | 1500. | 3.4 |
| 143 | 144.0 | 12.072 | 35.483 | 4.07 | 0.14 | 26.951 | 0.280 | 1500. | 3.4 |
| 144 | 145.1 | 12.033 | 35.480 | 4.10 | 0.14 | 26.956 | 0.281 | 1500. | 3.4 |
| 145 | 146.1 | 11.998 | 35.472 | 4.09 | 0.14 | 26.957 | 0.282 | 1500. | 3.4 |
| 146 | 146.8 | 11.939 | 35.476 | 4.03 | 0.14 | 26.971 | 0.283 | 1500. | 3.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 78 | 14 JUL 1982 | 1230 | 40°25.0'N | 68°05.0'W | 146 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.9 | 22.779 | 35.034 | 4.95 | 0.21 | 24.024 | 0.000 | 1529. | 11.4 |
| 2 | 2.1 | 22.797 | 35.052 | 4.94 | 0.21 | 24.033 | 0.005 | 1529. | 11.4 |
| 4 | 4.0 | 22.903 | 35.149 | 4.96 | 0.21 | 24.076 | 0.012 | 1529. | 11.4 |
| 6 | 6.0 | 22.812 | 35.206 | 5.02 | 0.21 | 24.146 | 0.019 | 1529. | 11.4 |
| 8 | 7.9 | 22.700 | 35.249 | 5.09 | 0.21 | 24.210 | 0.027 | 1529. | 11.4 |
| 10 | 10.0 | 22.593 | 35.312 | 5.15 | 0.21 | 24.289 | 0.034 | 1529. | 12.0 |
| 12 | 12.0 | 22.207 | 35.302 | 5.23 | 0.22 | 24.391 | 0.042 | 1528. | 12.7 |
| 14 | 14.0 | 20.575 | 34.909 | 5.50 | 0.27 | 24.541 | 0.048 | 1523. | 12.9 |
| 16 | 16.0 | 19.861 | 34.781 | 5.60 | 0.33 | 24.632 | 0.055 | 1521. | 12.9 |
| 18 | 18.0 | 19.639 | 34.846 | 5.73 | 0.33 | 24.740 | 0.062 | 1521. | 12.6 |
| 20 | 20.0 | 18.852 | 34.776 | 5.88 | 0.37 | 24.889 | 0.068 | 1518. | 12.1 |
| 22 | 22.0 | 18.745 | 34.802 | 5.93 | 0.38 | 24.936 | 0.074 | 1518. | 11.5 |
| 24 | 24.0 | 18.757 | 34.888 | 5.95 | 0.38 | 24.998 | 0.080 | 1518. | 11.7 |
| 26 | 26.0 | 18.666 | 34.962 | 5.93 | 0.37 | 25.078 | 0.086 | 1518. | 11.8 |
| 28 | 28.0 | 18.583 | 35.018 | 5.93 | 0.37 | 25.142 | 0.092 | 1518. | 12.0 |
| 30 | 30.0 | 18.464 | 35.073 | 5.96 | 0.37 | 25.214 | 0.097 | 1518. | 12.1 |
| 32 | 31.9 | 18.331 | 35.284 | 5.95 | 0.36 | 25.408 | 0.102 | 1518. | 12.0 |
| 34 | 34.0 | 18.250 | 35.376 | 5.86 | 0.35 | 25.499 | 0.107 | 1517. | 12.1 |
| 36 | 36.0 | 18.011 | 35.419 | 5.85 | 0.34 | 25.591 | 0.112 | 1517. | 12.0 |
| 38 | 38.1 | 17.995 | 35.438 | 5.82 | 0.34 | 25.610 | 0.117 | 1517. | 11.5 |
| 40 | 39.9 | 17.839 | 35.453 | 5.77 | 0.33 | 25.659 | 0.122 | 1516. | 10.6 |
| 42 | 42.0 | 17.257 | 35.502 | 5.80 | 0.32 | 25.839 | 0.126 | 1515. | 10.2 |
| 44 | 44.1 | 17.045 | 35.501 | 5.75 | 0.32 | 25.889 | 0.131 | 1514. | 9.6 |
| 46 | 45.9 | 16.934 | 35.504 | 5.65 | 0.32 | 25.918 | 0.135 | 1514. | 9.0 |
| 48 | 48.0 | 16.774 | 35.507 | 5.57 | 0.30 | 25.958 | 0.139 | 1514. | 8.0 |
| 50 | 50.0 | 16.647 | 35.506 | 5.56 | 0.29 | 25.988 | 0.143 | 1513. | 7.0 |
| 52 | 52.0 | 16.580 | 35.506 | 5.48 | 0.27 | 26.003 | 0.147 | 1513. | 6.8 |
| 54 | 54.0 | 16.512 | 35.505 | 5.43 | 0.26 | 26.018 | 0.151 | 1513. | 6.6 |
| 56 | 56.0 | 16.293 | 35.495 | 5.41 | 0.25 | 26.062 | 0.155 | 1512. | 6.3 |
| 58 | 58.0 | 16.067 | 35.492 | 5.38 | 0.23 | 26.111 | 0.159 | 1512. | 6.2 |
| 60 | 60.0 | 16.012 | 35.491 | 5.28 | 0.23 | 26.124 | 0.163 | 1511. | 6.2 |
| 62 | 62.0 | 15.978 | 35.490 | 5.19 | 0.23 | 26.130 | 0.166 | 1511. | 6.3 |
| 64 | 64.0 | 15.911 | 35.493 | 5.13 | 0.22 | 26.148 | 0.170 | 1511. | 6.2 |
| 66 | 66.0 | 15.838 | 35.496 | 5.12 | 0.21 | 26.167 | 0.174 | 1511. | 6.5 |
| 67 | 68.0 | 15.600 | 35.481 | 5.14 | 0.20 | 26.209 | 0.178 | 1510. | 6.9 |
| 69 | 69.9 | 15.257 | 35.432 | 5.11 | 0.18 | 26.249 | 0.181 | 1509. | 7.4 |
| 71 | 72.0 | 15.073 | 35.410 | 5.04 | 0.18 | 26.273 | 0.185 | 1509. | 7.7 |
| 73 | 74.0 | 14.787 | 35.388 | 5.04 | 0.17 | 26.319 | 0.188 | 1508. | 7.6 |
| 75 | 76.0 | 14.875 | 35.457 | 4.97 | 0.16 | 26.353 | 0.192 | 1508. | 7.5 |
| 77 | 78.0 | 14.658 | 35.465 | 4.95 | 0.15 | 26.406 | 0.195 | 1507. | 7.4 |
| 79 | 79.9 | 14.554 | 35.467 | 4.87 | 0.14 | 26.431 | 0.198 | 1507. | 7.2 |
| 81 | 82.0 | 14.431 | 35.458 | 4.80 | 0.14 | 26.450 | 0.201 | 1507. | 6.8 |
| 83 | 84.0 | 14.242 | 35.460 | 4.79 | 0.14 | 26.492 | 0.205 | 1506. | 6.6 |
| 85 | 86.0 | 14.151 | 35.464 | 4.76 | 0.14 | 26.514 | 0.208 | 1506. | 6.4 |
| 87 | 88.1 | 14.044 | 35.459 | 4.74 | 0.13 | 26.534 | 0.211 | 1506. | 6.3 |
| 89 | 89.9 | 13.906 | 35.437 | 4.77 | 0.13 | 26.546 | 0.214 | 1505. | 6.2 |
| 91 | 92.0 | 13.238 | 35.308 | 4.78 | 0.14 | 26.584 | 0.217 | 1503. | 6.0 |
| 93 | 94.0 | 13.027 | 35.297 | 4.74 | 0.14 | 26.618 | 0.220 | 1502. | 6.0 |
| 95 | 96.0 | 12.978 | 35.298 | 4.73 | 0.13 | 26.629 | 0.223 | 1502. | 6.0 |
| 97 | -98.0 | 12.882 | 35.297 | 4.72 | 0.13 | 26.647 | 0.225 | 1502. | 6.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 78 | 14 JUL 1982 | 1230 | 40°25.0'N | 68°05.0'W | 146 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 12.890 | 35.322 | 4.68 | 0.13 | 26.665 | 0.228 | 1502. | 5.9 |
| 101 | 102.0 | 12.922 | 35.360 | 4.66 | 0.13 | 26.688 | 0.231 | 1502. | 5.8 |
| 103 | 104.0 | 12.901 | 35.397 | 4.64 | 0.12 | 26.721 | 0.234 | 1502. | 5.6 |
| 105 | 106.0 | 12.903 | 35.430 | 4.61 | 0.12 | 26.746 | 0.236 | 1502. | 5.3 |
| 107 | 108.1 | 12.843 | 35.436 | 4.60 | 0.12 | 26.763 | 0.239 | 1502. | 4.8 |
| 109 | 110.0 | 12.834 | 35.440 | 4.60 | 0.12 | 26.768 | 0.241 | 1502. | 4.4 |
| 111 | 112.0 | 12.872 | 35.458 | 4.53 | 0.11 | 26.775 | 0.244 | 1502. | 4.1 |
| 113 | 114.0 | 12.949 | 35.485 | 4.49 | 0.11 | 26.780 | 0.247 | 1502. | 4.1 |
| 115 | 116.0 | 12.949 | 35.491 | 4.48 | 0.11 | 26.785 | 0.249 | 1503. | 4.5 |
| 117 | 118.0 | 12.867 | 35.497 | 4.48 | 0.10 | 26.806 | 0.252 | 1502. | 5.0 |
| 119 | 120.0 | 12.797 | 35.501 | 4.46 | 0.10 | 26.822 | 0.254 | 1502. | 5.5 |
| 121 | 122.0 | 12.752 | 35.508 | 4.42 | 0.10 | 26.837 | 0.257 | 1502. | 5.8 |
| 123 | 124.0 | 12.583 | 35.505 | 4.38 | 0.10 | 26.868 | 0.259 | 1501. | 6.0 |
| 125 | 126.0 | 12.405 | 35.496 | 4.34 | 0.10 | 26.896 | 0.262 | 1501. | 5.9 |
| 127 | 128.0 | 12.233 | 35.480 | 4.28 | 0.10 | 26.917 | 0.264 | 1500. | 5.8 |
| 129 | 130.0 | 12.105 | 35.477 | 4.21 | 0.10 | 26.940 | 0.266 | 1500. | 5.6 |
| 130 | 131.3 | 12.078 | 35.480 | 4.17 | 0.11 | 26.947 | 0.268 | 1500. | 5.0 |
| 131 | 132.0 | 12.068 | 35.479 | 4.13 | 0.11 | 26.949 | 0.268 | 1500. | 4.2 |
| 132 | 133.0 | 12.062 | 35.479 | 4.10 | 0.11 | 26.950 | 0.270 | 1500. | 3.4 |
| 133 | 134.0 | 12.054 | 35.480 | 4.08 | 0.11 | 26.952 | 0.271 | 1500. | 2.7 |
| 134 | 135.0 | 12.046 | 35.480 | 4.08 | 0.11 | 26.954 | 0.272 | 1500. | 2.5 |
| 135 | 136.0 | 12.041 | 35.480 | 4.07 | 0.11 | 26.955 | 0.273 | 1500. | 2.4 |
| 136 | 137.1 | 12.022 | 35.480 | 4.08 | 0.11 | 26.958 | 0.274 | 1500. | 2.4 |
| 137 | 138.0 | 12.022 | 35.484 | 4.11 | 0.11 | 26.961 | 0.275 | 1500. | 2.3 |
| 138 | 139.1 | 12.019 | 35.483 | 4.03 | 0.11 | 26.961 | 0.276 | 1500. | 2.2 |
| 139 | 140.0 | 12.012 | 35.482 | 3.98 | 0.11 | 26.962 | 0.278 | 1500. | 2.2 |
| 140 | 141.0 | 12.013 | 35.486 | 3.91 | 0.11 | 26.965 | 0.279 | 1500. | 2.2 |
| 141 | 142.0 | 12.004 | 35.483 | 3.94 | 0.11 | 26.964 | 0.280 | 1500. | 2.2 |
| 142 | 142.9 | 11.997 | 35.483 | 3.94 | 0.11 | 26.966 | 0.281 | 1500. | 2.2 |

STA 79 DAY: 14 TIME: 1411

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 23.7 | 28.2 | 19.5 | 48.6 | 13.6 | 101.8 | 12.4 | 183.4 | 11.3 |
| 0.0 | 23.7 | 28.2 | 19.3 | 50.6 | 13.5 | 102.8 | 12.4 | 185.3 | 11.2 |
| 1.0 | 23.6 | 28.2 | 19.2 | 51.5 | 13.5 | 103.7 | 12.4 | 186.2 | 11.2 |
| 1.0 | 23.6 | 29.2 | 19.1 | 52.5 | 13.4 | 105.6 | 12.5 | 187.2 | 11.1 |
| 1.0 | 23.5 | 29.2 | 19.0 | 55.4 | 13.3 | 106.6 | 12.5 | 187.2 | 11.1 |
| 1.9 | 23.5 | 29.2 | 18.8 | 55.4 | 13.4 | 108.5 | 12.5 | 190.1 | 11.0 |
| 1.9 | 23.4 | 29.2 | 18.7 | 56.4 | 13.4 | 109.5 | 12.5 | 191.0 | 11.0 |
| 3.9 | 23.4 | 29.2 | 18.5 | 56.4 | 13.6 | 111.4 | 12.5 | 192.0 | 11.0 |
| 4.9 | 23.4 | 29.2 | 18.4 | 56.4 | 13.7 | 113.4 | 12.5 | 193.9 | 11.0 |
| 5.8 | 23.4 | 28.2 | 18.3 | 57.3 | 13.8 | 114.3 | 12.5 | 194.8 | 11.0 |
| 6.8 | 23.3 | 29.2 | 18.1 | 57.3 | 13.8 | 116.2 | 12.5 | 196.7 | 10.9 |
| 6.8 | 23.2 | 29.2 | 18.1 | 58.3 | 13.9 | 118.2 | 12.5 | 197.7 | 10.9 |
| 7.8 | 23.2 | 29.2 | 17.9 | 58.3 | 13.9 | 121.1 | 12.5 | 199.6 | 10.9 |
| 8.8 | 23.2 | 29.2 | 17.8 | 60.2 | 13.9 | 124.9 | 12.5 | 200.5 | 10.9 |
| 9.7 | 23.2 | 29.2 | 17.7 | 62.2 | 13.9 | 127.8 | 12.5 | 202.5 | 10.8 |
| 10.7 | 23.1 | 30.2 | 17.4 | 64.1 | 13.9 | 129.7 | 12.5 | 204.4 | 10.8 |
| 10.7 | 23.0 | 29.2 | 17.3 | 65.1 | 13.8 | 131.6 | 12.5 | 205.3 | 10.8 |
| 11.7 | 23.0 | 29.2 | 17.1 | 68.0 | 13.9 | 132.6 | 12.4 | 207.2 | 10.8 |
| 12.7 | 22.9 | 29.2 | 17.0 | 68.0 | 13.8 | 135.5 | 12.4 | 208.2 | 10.7 |
| 12.7 | 22.8 | 30.2 | 16.8 | 69.0 | 13.8 | 136.4 | 12.4 | 209.1 | 10.7 |
| 13.6 | 22.8 | 30.2 | 16.6 | 69.9 | 13.7 | 138.3 | 12.4 | 211.0 | 10.6 |
| 13.6 | 22.7 | 30.2 | 16.5 | 70.9 | 13.7 | 139.3 | 12.3 | 212.9 | 10.6 |
| 14.6 | 22.6 | 31.1 | 16.3 | 70.9 | 13.7 | 141.2 | 12.3 | 213.9 | 10.6 |
| 16.6 | 22.5 | 31.1 | 16.2 | 71.9 | 13.6 | 143.1 | 12.3 | 213.9 | 10.5 |
| 16.6 | 22.4 | 32.1 | 16.1 | 72.8 | 13.5 | 143.1 | 12.2 | 215.8 | 10.5 |
| 17.5 | 22.2 | 33.1 | 16.0 | 72.8 | 13.5 | 144.1 | 12.1 | 215.8 | 10.4 |
| 17.5 | 22.1 | 33.1 | 15.9 | 73.8 | 13.4 | 146.0 | 12.1 | 216.7 | 10.4 |
| 18.5 | 22.0 | 33.1 | 15.8 | 74.8 | 13.4 | 146.0 | 12.1 | 217.7 | 10.3 |
| 18.5 | 21.9 | 33.1 | 15.6 | 76.7 | 13.4 | 147.9 | 12.1 | 219.6 | 10.3 |
| 19.5 | 21.7 | 34.1 | 15.4 | 77.7 | 13.4 | 148.9 | 12.1 | 221.5 | 10.3 |
| 20.4 | 21.6 | 34.1 | 15.1 | 77.7 | 13.3 | 150.8 | 12.0 | 221.5 | 10.2 |
| 20.4 | 21.5 | 34.1 | 15.0 | 78.6 | 13.3 | 151.8 | 12.0 | 222.4 | 10.2 |
| 20.4 | 21.4 | 34.1 | 14.8 | 80.6 | 13.2 | 153.7 | 12.0 | 223.4 | 10.1 |
| 21.4 | 21.3 | 34.1 | 14.7 | 81.5 | 13.2 | 155.6 | 11.9 | 224.4 | 10.1 |
| 22.4 | 21.2 | 34.1 | 14.6 | 81.5 | 13.1 | 155.6 | 11.9 | 225.3 | 10.0 |
| 22.4 | 21.1 | 35.0 | 14.5 | 82.5 | 13.1 | 158.5 | 11.9 | 226.3 | 10.0 |
| 23.4 | 21.1 | 35.0 | 14.4 | 83.5 | 13.0 | 159.4 | 11.9 | 227.2 | 9.9 |
| 24.3 | 21.1 | 36.0 | 14.3 | 84.4 | 12.9 | 162.3 | 11.9 | 228.2 | 9.8 |
| 26.3 | 20.9 | 36.0 | 14.2 | 85.4 | 12.9 | 165.2 | 11.8 | 229.1 | 9.8 |
| 26.3 | 20.8 | 37.0 | 14.1 | 86.4 | 12.8 | 168.1 | 11.8 | 229.1 | 9.7 |
| 26.3 | 20.6 | 37.9 | 14.1 | 87.3 | 12.8 | 170.0 | 11.8 | 230.1 | 9.7 |
| 27.3 | 20.5 | 38.9 | 14.0 | 89.2 | 12.7 | 170.9 | 11.7 | 231.0 | 9.5 |
| 27.3 | 20.4 | 38.9 | 13.9 | 90.2 | 12.7 | 172.9 | 11.7 | 231.0 | 9.5 |
| 27.3 | 20.3 | 39.9 | 13.8 | 92.1 | 12.7 | 173.8 | 11.6 | 232.9 | 9.5 |
| 27.3 | 20.2 | 41.8 | 13.8 | 94.1 | 12.7 | 174.8 | 11.6 | 233.9 | 9.4 |
| 27.3 | 20.1 | 41.8 | 13.8 | 95.0 | 12.6 | 176.7 | 11.6 | 234.8 | 9.3 |
| 28.2 | 20.0 | 42.8 | 13.7 | 96.0 | 12.5 | 178.6 | 11.5 | 235.8 | 9.3 |
| 28.2 | 19.8 | 44.7 | 13.7 | 97.0 | 12.4 | 180.5 | 11.5 | 237.7 | 9.3 |
| 28.2 | 19.7 | 45.7 | 13.6 | 98.9 | 12.4 | 182.4 | 11.4 | 239.6 | 9.3 |
| 28.2 | 19.6 | 46.7 | 13.6 | 99.9 | 12.4 | 182.4 | 11.3 | 241.5 | 9.2 |

STA 79 DAY: 14 TIME: 1411

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|
| 244.3 | 9.2 | 344.3 | 7.5 | 448.7 | 5.7 | 595.7 | 4.9 |
| 245.2 | 9.2 | 345.2 | 7.4 | 451.5 | 5.7 | 598.4 | 4.9 |
| 247.1 | 9.1 | 346.2 | 7.3 | 455.2 | 5.7 | 602.0 | 4.9 |
| 248.1 | 9.0 | 347.1 | 7.2 | 457.1 | 5.6 | 603.8 | 4.9 |
| 248.1 | 9.0 | 349.0 | 7.1 | 458.9 | 5.6 | 607.5 | 4.9 |
| 249.0 | 8.9 | 350.9 | 7.1 | 462.6 | 5.5 | 609.3 | 4.8 |
| 250.0 | 8.9 | 352.7 | 7.1 | 467.2 | 5.5 | 613.8 | 4.9 |
| 250.9 | 8.8 | 354.6 | 6.9 | 470.9 | 5.5 | 615.7 | 4.8 |
| 252.8 | 8.8 | 356.5 | 6.8 | 473.7 | 5.5 | 619.3 | 4.8 |
| 253.8 | 8.7 | 358.4 | 6.8 | 477.4 | 5.5 | 622.0 | 4.8 |
| 255.7 | 8.7 | 359.3 | 6.7 | 480.2 | 5.5 | 624.7 | 4.8 |
| 257.6 | 8.7 | 361.2 | 6.6 | 482.0 | 5.5 | 626.5 | 4.7 |
| 258.5 | 8.7 | 363.0 | 6.6 | 485.7 | 5.5 | 628.4 | 4.7 |
| 260.4 | 8.7 | 365.8 | 6.6 | 488.5 | 5.4 | 632.0 | 4.7 |
| 263.3 | 8.6 | 367.7 | 6.6 | 492.2 | 5.4 | 632.9 | 4.7 |
| 265.1 | 8.6 | 371.5 | 6.5 | 494.9 | 5.4 | 635.6 | 4.7 |
| 267.0 | 8.6 | 372.4 | 6.5 | 501.4 | 5.4 | 638.3 | 4.7 |
| 268.9 | 8.6 | 374.3 | 6.5 | 504.1 | 5.4 | 640.1 | 4.7 |
| 270.8 | 8.5 | 375.2 | 6.4 | 506.0 | 5.4 | 643.8 | 4.6 |
| 272.7 | 8.5 | 377.1 | 6.4 | 506.9 | 5.4 | 646.5 | 4.6 |
| 273.7 | 8.4 | 378.9 | 6.3 | 508.7 | 5.3 | 650.1 | 4.6 |
| 273.7 | 8.4 | 380.8 | 6.3 | 510.6 | 5.3 | 652.8 | 4.6 |
| 276.5 | 8.4 | 382.7 | 6.2 | 513.3 | 5.3 | 655.5 | 4.6 |
| 278.4 | 8.3 | 385.5 | 6.2 | 517.0 | 5.3 | 658.2 | 4.6 |
| 280.3 | 8.3 | 386.4 | 6.2 | 519.8 | 5.3 | 660.9 | 4.6 |
| 284.1 | 8.3 | 387.3 | 6.2 | 522.5 | 5.3 | 663.6 | 4.6 |
| 288.8 | 8.2 | 389.2 | 6.1 | 525.3 | 5.3 | 666.3 | 4.6 |
| 291.6 | 8.2 | 391.1 | 6.1 | 527.1 | 5.3 | 669.0 | 4.6 |
| 296.3 | 8.2 | 392.9 | 6.0 | 529.9 | 5.2 | 671.8 | 4.6 |
| 302.0 | 8.2 | 394.8 | 6.0 | 533.5 | 5.2 | 672.7 | 4.6 |
| 304.8 | 8.2 | 396.7 | 6.0 | 538.1 | 5.2 | 675.4 | 4.6 |
| 308.6 | 8.2 | 398.5 | 6.0 | 541.8 | 5.2 | 678.1 | 4.6 |
| 311.4 | 8.2 | 400.4 | 5.9 | 544.5 | 5.2 | 679.0 | 4.6 |
| 312.4 | 8.1 | 401.3 | 5.9 | 548.2 | 5.2 | 679.9 | 4.6 |
| 316.1 | 8.1 | 404.1 | 5.9 | 551.8 | 5.2 | 681.7 | 4.6 |
| 318.9 | 8.1 | 406.9 | 5.9 | 554.6 | 5.2 | 683.5 | 4.6 |
| 320.8 | 8.1 | 408.8 | 5.9 | 557.3 | 5.2 | 686.2 | 4.6 |
| 322.7 | 8.1 | 411.6 | 5.8 | 560.1 | 5.1 | 688.0 | 4.6 |
| 323.6 | 8.0 | 413.4 | 5.8 | 561.9 | 5.1 | 689.8 | 4.6 |
| 326.5 | 8.0 | 414.4 | 5.8 | 564.7 | 5.1 | 690.7 | 4.6 |
| 327.4 | 8.0 | 415.3 | 5.8 | 566.5 | 5.1 | | |
| 329.3 | 8.0 | 418.1 | 5.7 | 568.3 | 5.1 | | |
| 330.2 | 7.9 | 419.9 | 5.7 | 569.2 | 5.0 | | |
| 332.1 | 7.8 | 422.7 | 5.7 | 571.0 | 5.0 | | |
| 334.9 | 7.8 | 425.5 | 5.7 | 575.6 | 5.0 | | |
| 336.8 | 7.8 | 430.2 | 5.7 | 577.4 | 5.0 | | |
| 338.7 | 7.7 | 434.8 | 5.7 | 581.1 | 5.0 | | |
| 339.6 | 7.6 | 437.6 | 5.7 | 583.8 | 4.9 | | |
| 341.5 | 7.6 | 440.4 | 5.7 | 587.5 | 4.9 | | |
| 343.4 | 7.6 | 444.1 | 5.7 | 592.0 | 4.9 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 80 | 14 JUL 1982 | 1350 | 40°15.0'N | 68°07.1'W | 1020 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYNT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.0 | 23.044 | 35.307 | 4.87 | 0.24 | 24.155 | 0.000 | 1530. | 12.9 |
| 4 | 4.1 | 22.628 | 35.318 | 4.97 | 0.24 | 24.283 | 0.008 | 1529. | 12.9 |
| 6 | 5.9 | 21.933 | 35.363 | 5.06 | 0.24 | 24.514 | 0.014 | 1527. | 12.9 |
| 8 | 8.0 | 21.589 | 35.384 | 5.16 | 0.25 | 24.626 | 0.021 | 1526. | 12.9 |
| 10 | 10.0 | 21.233 | 35.417 | 5.17 | 0.24 | 24.749 | 0.028 | 1525. | 12.9 |
| 12 | 12.0 | 20.944 | 35.433 | 5.30 | 0.25 | 24.840 | 0.034 | 1525. | 12.1 |
| 14 | 14.0 | 20.883 | 35.439 | 5.37 | 0.25 | 24.861 | 0.040 | 1525. | 11.1 |
| 16 | 16.0 | 20.723 | 35.463 | 5.43 | 0.25 | 24.923 | 0.046 | 1524. | 10.7 |
| 18 | 18.1 | 20.384 | 35.481 | 5.48 | 0.25 | 25.028 | 0.052 | 1523. | 10.4 |
| 20 | 20.0 | 20.037 | 35.473 | 5.52 | 0.26 | 25.114 | 0.058 | 1522. | 10.5 |
| 22 | 22.0 | 19.907 | 35.503 | 5.53 | 0.27 | 25.171 | 0.064 | 1522. | 11.0 |
| 24 | 24.0 | 19.744 | 35.510 | 5.55 | 0.27 | 25.220 | 0.069 | 1522. | 11.3 |
| 26 | 26.0 | 19.559 | 35.522 | 5.55 | 0.27 | 25.277 | 0.075 | 1521. | 11.6 |
| 28 | 28.0 | 19.163 | 35.538 | 5.59 | 0.26 | 25.392 | 0.080 | 1520. | 11.9 |
| 30 | 30.0 | 18.721 | 35.535 | 5.63 | 0.26 | 25.502 | 0.085 | 1519. | 12.0 |
| 32 | 32.0 | 18.276 | 35.539 | 5.63 | 0.26 | 25.617 | 0.090 | 1518. | 11.9 |
| 34 | 33.9 | 18.264 | 35.669 | 5.52 | 0.27 | 25.720 | 0.094 | 1518. | 11.7 |
| 36 | 36.0 | 18.475 | 35.819 | 5.39 | 0.32 | 25.782 | 0.099 | 1519. | 11.7 |
| 38 | 38.0 | 18.447 | 35.875 | 5.27 | 0.38 | 25.832 | 0.103 | 1519. | 11.6 |
| 40 | 39.9 | 18.214 | 35.896 | 5.17 | 0.49 | 25.906 | 0.107 | 1518. | 11.4 |
| 42 | 42.1 | 17.775 | 35.872 | 5.11 | 0.52 | 25.997 | 0.112 | 1517. | 11.4 |
| 44 | 43.9 | 17.222 | 35.885 | 4.97 | 0.37 | 26.141 | 0.116 | 1515. | 11.4 |
| 46 | 46.0 | 17.028 | 35.922 | 4.55 | 0.27 | 26.217 | 0.119 | 1515. | 11.1 |
| 48 | 48.0 | 16.856 | 35.928 | 4.27 | 0.22 | 26.262 | 0.123 | 1514. | 10.3 |
| 50 | 50.0 | 16.706 | 36.000 | 4.12 | 0.16 | 26.353 | 0.126 | 1514. | 9.3 |
| 52 | 52.0 | 16.699 | 36.046 | 3.99 | 0.13 | 26.390 | 0.130 | 1514. | 8.1 |
| 54 | 54.0 | 16.563 | 36.046 | 3.81 | 0.12 | 26.422 | 0.133 | 1514. | 7.2 |
| 56 | 56.1 | 16.434 | 36.032 | 3.84 | 0.12 | 26.442 | 0.136 | 1513. | 6.5 |
| 57 | 57.9 | 16.263 | 35.999 | 3.88 | 0.12 | 26.456 | 0.139 | 1513. | 5.7 |
| 60 | 60.0 | 16.049 | 35.952 | 3.97 | 0.12 | 26.470 | 0.142 | 1512. | 5.4 |
| 62 | 62.0 | 15.931 | 35.937 | 4.05 | 0.11 | 26.485 | 0.146 | 1512. | 5.1 |
| 64 | 64.0 | 15.596 | 35.877 | 4.08 | 0.11 | 26.516 | 0.149 | 1511. | 4.8 |
| 65 | 66.0 | 15.514 | 35.871 | 4.08 | 0.11 | 26.530 | 0.152 | 1510. | 4.6 |
| 67 | 68.0 | 15.482 | 35.873 | 4.10 | 0.10 | 26.538 | 0.155 | 1510. | 4.3 |
| 70 | 70.1 | 15.413 | 35.858 | 4.15 | 0.10 | 26.543 | 0.158 | 1510. | 4.3 |
| 71 | 71.9 | 15.327 | 35.841 | 4.10 | 0.10 | 26.548 | 0.161 | 1510. | 4.4 |
| 73 | 74.0 | 15.200 | 35.816 | 4.15 | 0.10 | 26.558 | 0.164 | 1509. | 4.7 |
| 75 | 76.1 | 14.999 | 35.776 | 4.22 | 0.10 | 26.572 | 0.167 | 1509. | 5.1 |
| 77 | 77.9 | 14.686 | 35.721 | 4.25 | 0.10 | 26.598 | 0.169 | 1508. | 5.3 |
| 79 | 80.0 | 14.466 | 35.691 | 4.30 | 0.10 | 26.622 | 0.173 | 1507. | 5.3 |
| 81 | 82.0 | 14.178 | 35.635 | 4.42 | 0.10 | 26.641 | 0.175 | 1506. | 5.1 |
| 83 | 84.0 | 14.073 | 35.626 | 4.43 | 0.10 | 26.656 | 0.178 | 1506. | 4.9 |
| 85 | 86.1 | 14.012 | 35.621 | 4.49 | 0.10 | 26.665 | 0.181 | 1506. | 4.7 |
| 87 | 88.0 | 13.950 | 35.615 | 4.48 | 0.10 | 26.674 | 0.184 | 1505. | 4.6 |
| 89 | 90.0 | 13.900 | 35.615 | 4.51 | 0.10 | 26.684 | 0.186 | 1505. | 4.6 |
| 91 | 92.1 | 13.761 | 35.593 | 4.53 | 0.10 | 26.697 | 0.189 | 1505. | 4.5 |
| 93 | 94.0 | 13.522 | 35.565 | 4.57 | 0.09 | 26.725 | 0.192 | 1504. | 4.4 |
| 95 | 95.9 | 13.434 | 35.555 | 4.56 | 0.09 | 26.735 | 0.194 | 1504. | 4.1 |
| 97 | 98.1 | 13.398 | 35.553 | 4.59 | 0.09 | 26.741 | 0.197 | 1504. | 3.8 |
| 99 | 99.9 | 13.368 | 35.551 | 4.58 | 0.09 | 26.746 | 0.200 | 1504. | 3.4 |
| 101 | 102.0 | 13.352 | 35.554 | 4.58 | 0.09 | 26.751 | 0.202 | 1504. | 2.9 |
| 103 | 104.0 | 13.314 | 35.547 | 4.61 | 0.09 | 26.754 | 0.205 | 1504. | 3.0 |
| 105 | 106.0 | 13.280 | 35.546 | 4.66 | 0.09 | 26.760 | 0.208 | 1504. | 3.0 |
| 107 | 108.0 | 13.240 | 35.543 | 4.59 | 0.09 | 26.765 | 0.210 | 1503. | 3.1 |
| 109 | 109.9 | 13.204 | 35.541 | 4.57 | 0.09 | 26.771 | 0.213 | 1503. | 3.1 |
| 111 | 112.0 | 13.106 | 35.528 | 4.61 | 0.09 | 26.782 | 0.215 | 1503. | 3.2 |
| 113 | 114.0 | 13.003 | 35.508 | 4.59 | 0.09 | 26.787 | 0.218 | 1503. | 3.2 |
| 115 | 116.0 | 12.923 | 35.493 | 4.52 | 0.09 | 26.791 | 0.221 | 1502. | 3.2 |
| 117 | 118.0 | 12.816 | 35.471 | 4.53 | 0.10 | 26.795 | 0.223 | 1502. | 3.3 |
| 119 | 120.0 | 12.820 | 35.480 | 4.56 | 0.10 | 26.802 | 0.226 | 1502. | 3.4 |
| 121 | 122.0 | 12.941 | 35.526 | 4.45 | 0.09 | 26.813 | 0.228 | 1503. | 3.5 |
| 123 | 124.0 | 12.903 | 35.524 | 4.39 | 0.09 | 26.820 | 0.231 | 1503. | 3.4 |
| 125 | 126.0 | 12.861 | 35.528 | 4.41 | 0.09 | 26.831 | 0.233 | 1502. | 3.4 |
| 127 | 128.1 | 12.840 | 35.534 | 4.44 | 0.09 | 26.839 | 0.236 | 1502. | 3.3 |
| 129 | 129.9 | 12.823 | 35.532 | 4.40 | 0.09 | 26.841 | 0.238 | 1502. | 3.3 |
| 131 | 131.9 | 12.803 | 35.528 | 4.36 | 0.09 | 26.843 | 0.240 | 1502. | 3.2 |
| 133 | 134.1 | 12.741 | 35.526 | 4.40 | 0.09 | 26.853 | 0.243 | 1502. | 3.0 |
| 135 | 135.9 | 12.703 | 35.527 | 4.41 | 0.09 | 26.862 | 0.245 | 1502. | 2.8 |
| 137 | 138.0 | 12.667 | 35.528 | 4.34 | 0.09 | 26.870 | 0.248 | 1502. | 2.9 |
| 139 | 140.0 | 12.660 | 35.529 | 4.37 | 0.09 | 26.871 | 0.250 | 1502. | 2.9 |
| 141 | 142.0 | 12.658 | 35.528 | 4.29 | 0.09 | 26.872 | 0.253 | 1502. | 2.9 |
| 143 | 144.0 | 12.645 | 35.528 | 4.30 | 0.09 | 26.873 | 0.255 | 1502. | 2.9 |
| 145 | 146.0 | 12.572 | 35.522 | 4.30 | 0.09 | 26.883 | 0.258 | 1502. | 3.0 |
| 147 | 148.0 | 12.487 | 35.513 | 4.31 | 0.09 | 26.893 | 0.260 | 1502. | 3.1 |
| 149 | 150.0 | 12.458 | 35.511 | 4.29 | 0.09 | 26.898 | 0.262 | 1501. | 3.2 |
| 151 | 152.0 | 12.434 | 35.515 | 4.24 | 0.09 | 26.905 | 0.265 | 1501. | 3.1 |
| 153 | 154.0 | 12.416 | 35.515 | 4.23 | 0.09 | 26.909 | 0.267 | 1501. | 2.9 |
| 155 | 156.1 | 12.405 | 35.519 | 4.23 | 0.09 | 26.914 | 0.269 | 1501. | 3.0 |
| 157 | 158.0 | 12.408 | 35.524 | 4.13 | 0.09 | 26.918 | 0.272 | 1501. | 3.2 |
| 159 | 160.0 | 12.414 | 35.533 | 4.14 | 0.09 | 26.923 | 0.274 | 1502. | 3.3 |
| 161 | 161.9 | 12.433 | 35.546 | 4.09 | 0.09 | 26.929 | 0.276 | 1502. | 3.3 |
| 163 | 164.0 | 12.437 | 35.562 | 4.03 | 0.09 | 26.941 | 0.279 | 1502. | 3.3 |
| 165 | 166.1 | 12.400 | 35.566 | 4.00 | 0.09 | 26.952 | 0.281 | 1502. | 3.2 |
| 167 | 167.9 | 12.344 | 35.558 | 3.92 | 0.09 | 26.957 | 0.283 | 1501. | 3.1 |
| 169 | 170.0 | 12.332 | 35.557 | 3.84 | 0.09 | 26.958 | 0.285 | 1501. | 2.9 |
| 171 | 172.0 | 12.284 | 35.550 | 3.86 | 0.09 | 26.962 | 0.288 | 1501. | 2.7 |
| 173 | 174.0 | 12.216 | 35.541 | 3.86 | 0.09 | 26.968 | 0.290 | 1501. | 2.7 |
| 175 | 176.0 | 12.176 | 35.536 | 3.80 | 0.09 | 26.972 | 0.292 | 1501. | 2.8 |
| 177 | 178.0 | 12.138 | 35.531 | 3.77 | 0.09 | 26.976 | 0.294 | 1501. | 3.1 |
| 179 | 180.0 | 12.071 | 35.523 | 3.76 | 0.09 | 26.982 | 0.297 | 1501. | 3.4 |
| 180 | 181.9 | 12.001 | 35.513 | 3.70 | 0.09 | 26.988 | 0.299 | 1500. | 3.5 |
| 183 | 184.0 | 11.928 | 35.504 | 3.74 | 0.09 | 26.995 | 0.301 | 1500. | 3.6 |
| 184 | 186.0 | 11.783 | 35.486 | 3.76 | 0.09 | 27.009 | 0.303 | 1500. | 3.6 |
| 186 | 188.0 | 11.693 | 35.478 | 3.69 | 0.09 | 27.020 | 0.305 | 1499. | 3.5 |
| 188 | 190.0 | 11.645 | 35.474 | 3.65 | 0.09 | 27.026 | 0.308 | 1499. | 3.4 |
| 190 | 192.0 | 11.615 | 35.473 | 3.60 | 0.09 | 27.030 | 0.310 | 1499. | 3.3 |
| 192 | 194.0 | 11.584 | 35.470 | 3.59 | 0.09 | 27.034 | 0.312 | 1499. | 3.1 |
| 194 | 196.0 | 11.555 | 35.469 | 3.56 | 0.09 | 27.039 | 0.314 | 1499. | 3.4 |
| 196 | 198.0 | 11.504 | 35.463 | 3.55 | 0.09 | 27.044 | 0.316 | 1499. | 3.6 |
| 198 | 200.0 | 11.370 | 35.445 | 3.54 | 0.09 | 27.055 | 0.318 | 1498. | 3.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 80 | 14 JUL 1982 | 1350 | 40°15.0'N | 68°07.1'W | 1020 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 200 | 202.0 | 11.309 | 35.439 | 3.52 | 0.09 | 27.061 | 0.320 | 1498. | 3.9 |
| 202 | 204.0 | 11.027 | 35.400 | 3.52 | 0.09 | 27.083 | 0.322 | 1497. | 4.0 |
| 204 | 206.0 | 10.974 | 35.396 | 3.47 | 0.09 | 27.089 | 0.324 | 1497. | 4.0 |
| 206 | 207.9 | 10.926 | 35.389 | 3.45 | 0.09 | 27.093 | 0.326 | 1497. | 3.9 |
| 208 | 210.0 | 10.790 | 35.372 | 3.44 | 0.10 | 27.104 | 0.328 | 1497. | 3.8 |
| 210 | 212.0 | 10.674 | 35.359 | 3.44 | 0.10 | 27.115 | 0.330 | 1496. | 3.5 |
| 212 | 214.1 | 10.598 | 35.350 | 3.43 | 0.10 | 27.121 | 0.332 | 1496. | 3.4 |
| 214 | 216.0 | 10.500 | 35.337 | 3.41 | 0.10 | 27.128 | 0.334 | 1496. | 3.3 |
| 216 | 217.9 | 10.433 | 35.330 | 3.39 | 0.10 | 27.135 | 0.336 | 1495. | 3.1 |
| 218 | 220.1 | 10.397 | 35.326 | 3.40 | 0.10 | 27.138 | 0.338 | 1495. | 3.0 |
| 220 | 221.9 | 10.325 | 35.316 | 3.38 | 0.10 | 27.143 | 0.340 | 1495. | 2.9 |
| 222 | 224.0 | 10.250 | 35.307 | 3.35 | 0.10 | 27.149 | 0.342 | 1495. | 2.8 |
| 224 | 226.0 | 10.199 | 35.301 | 3.35 | 0.10 | 27.153 | 0.344 | 1495. | 2.8 |
| 226 | 227.9 | 10.144 | 35.294 | 3.35 | 0.10 | 27.157 | 0.346 | 1494. | 2.7 |
| 228 | 230.1 | 10.089 | 35.288 | 3.34 | 0.10 | 27.162 | 0.348 | 1494. | 2.6 |
| 230 | 232.0 | 10.030 | 35.281 | 3.33 | 0.10 | 27.167 | 0.350 | 1494. | 2.6 |
| 232 | 234.0 | 9.998 | 35.278 | 3.31 | 0.10 | 27.170 | 0.352 | 1494. | 2.7 |
| 234 | 236.0 | 9.966 | 35.275 | 3.36 | 0.10 | 27.173 | 0.353 | 1494. | 2.9 |
| 236 | 238.0 | 9.945 | 35.273 | 3.34 | 0.10 | 27.175 | 0.355 | 1494. | 3.0 |
| 238 | 240.0 | 9.814 | 35.257 | 3.32 | 0.10 | 27.185 | 0.357 | 1493. | 3.1 |
| 240 | 242.0 | 9.770 | 35.254 | 3.30 | 0.11 | 27.190 | 0.359 | 1493. | 3.2 |
| 242 | 244.0 | 9.658 | 35.242 | 3.36 | 0.11 | 27.200 | 0.361 | 1493. | 3.2 |
| 244 | 246.0 | 9.592 | 35.236 | 3.35 | 0.11 | 27.206 | 0.363 | 1493. | 3.2 |
| 246 | 248.0 | 9.551 | 35.232 | 3.40 | 0.11 | 27.209 | 0.364 | 1493. | 3.1 |
| 248 | 249.9 | 9.501 | 35.226 | 3.37 | 0.11 | 27.214 | 0.366 | 1492. | 3.2 |
| 250 | 252.0 | 9.462 | 35.224 | 3.38 | 0.11 | 27.218 | 0.368 | 1492. | 3.1 |
| 252 | 254.1 | 9.370 | 35.213 | 3.41 | 0.11 | 27.225 | 0.370 | 1492. | 3.1 |
| 254 | 255.9 | 9.276 | 35.205 | 3.43 | 0.11 | 27.234 | 0.371 | 1492. | 3.0 |
| 256 | 258.1 | 9.200 | 35.200 | 3.43 | 0.11 | 27.243 | 0.373 | 1491. | 2.7 |
| 258 | 260.0 | 9.181 | 35.199 | 3.47 | 0.11 | 27.245 | 0.375 | 1491. | 2.4 |
| 260 | 262.1 | 9.181 | 35.200 | 3.46 | 0.11 | 27.246 | 0.377 | 1491. | 2.0 |
| 262 | 263.9 | 9.183 | 35.200 | 3.48 | 0.11 | 27.246 | 0.378 | 1491. | 1.5 |
| 264 | 266.1 | 9.182 | 35.200 | 3.47 | 0.11 | 27.246 | 0.380 | 1491. | 1.3 |
| 266 | 267.9 | 9.176 | 35.200 | 3.49 | 0.11 | 27.247 | 0.382 | 1491. | 1.6 |
| 268 | 270.0 | 9.166 | 35.200 | 3.47 | 0.11 | 27.248 | 0.384 | 1491. | 2.0 |
| 270 | 272.0 | 9.157 | 35.198 | 3.49 | 0.11 | 27.248 | 0.385 | 1491. | 2.5 |
| 272 | 273.9 | 9.096 | 35.192 | 3.51 | 0.11 | 27.253 | 0.387 | 1491. | 3.0 |
| 274 | 276.0 | 9.040 | 35.189 | 3.52 | 0.11 | 27.260 | 0.389 | 1491. | 3.4 |
| 276 | 278.1 | 8.946 | 35.179 | 3.57 | 0.12 | 27.267 | 0.391 | 1491. | 3.6 |
| 278 | 280.0 | 8.828 | 35.168 | 3.55 | 0.12 | 27.278 | 0.392 | 1490. | 3.7 |
| 280 | 281.9 | 8.710 | 35.160 | 3.58 | 0.12 | 27.290 | 0.394 | 1490. | 3.8 |
| 282 | 284.0 | 8.659 | 35.160 | 3.60 | 0.12 | 27.298 | 0.396 | 1490. | 4.0 |
| 284 | 286.1 | 8.605 | 35.156 | 3.68 | 0.12 | 27.304 | 0.397 | 1490. | 4.1 |
| 286 | 288.0 | 8.548 | 35.151 | 3.66 | 0.12 | 27.309 | 0.399 | 1489. | 4.0 |
| 288 | 289.9 | 8.363 | 35.133 | 3.69 | 0.12 | 27.324 | 0.400 | 1489. | 4.1 |
| 290 | 292.0 | 8.180 | 35.120 | 3.75 | 0.12 | 27.341 | 0.402 | 1488. | 4.1 |
| 292 | 294.0 | 8.114 | 35.115 | 3.77 | 0.12 | 27.347 | 0.404 | 1488. | 4.0 |
| 293 | 296.0 | 8.037 | 35.110 | 3.79 | 0.13 | 27.355 | 0.405 | 1488. | 3.7 |
| 295 | 298.0 | 7.930 | 35.102 | 3.83 | 0.13 | 27.365 | 0.407 | 1487. | 3.2 |
| 297 | 300.0 | 7.882 | 35.101 | 3.84 | 0.13 | 27.371 | 0.408 | 1487. | 2.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 80 | 14 JUL 1982 | 1350 | 40°15.0'N | 68°07.1'W | 1020 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 300 | 302.1 | 7.869 | 35.101 | 3.86 | 0.13 | 27.373 | 0.410 | 1487. | 2.4 |
| 301 | 303.9 | 7.859 | 35.102 | 3.89 | 0.13 | 27.375 | 0.411 | 1487. | 2.2 |
| 303 | 306.1 | 7.861 | 35.102 | 3.90 | 0.13 | 27.375 | 0.413 | 1487. | 2.2 |
| 305 | 308.0 | 7.863 | 35.102 | 3.96 | 0.13 | 27.375 | 0.414 | 1487. | 2.5 |
| 307 | 310.0 | 7.825 | 35.100 | 3.90 | 0.14 | 27.379 | 0.416 | 1487. | 2.8 |
| 309 | 312.1 | 7.754 | 35.094 | 3.93 | 0.14 | 27.385 | 0.417 | 1487. | 3.0 |
| 311 | 313.9 | 7.623 | 35.083 | 3.92 | 0.14 | 27.396 | 0.419 | 1486. | 3.2 |
| 313 | 316.1 | 7.556 | 35.081 | 3.98 | 0.14 | 27.404 | 0.420 | 1486. | 3.2 |
| 315 | 318.0 | 7.505 | 35.079 | 4.02 | 0.14 | 27.409 | 0.421 | 1486. | 3.2 |
| 317 | 320.0 | 7.481 | 35.079 | 4.03 | 0.14 | 27.413 | 0.423 | 1486. | 3.2 |
| 319 | 322.1 | 7.450 | 35.076 | 4.05 | 0.14 | 27.415 | 0.424 | 1486. | 3.2 |
| 321 | 323.8 | 7.359 | 35.070 | 4.05 | 0.14 | 27.423 | 0.426 | 1485. | 3.3 |
| 323 | 326.0 | 7.308 | 35.069 | 4.05 | 0.14 | 27.430 | 0.427 | 1485. | 3.5 |
| 325 | 328.0 | 7.246 | 35.065 | 4.15 | 0.14 | 27.436 | 0.428 | 1485. | 3.5 |
| 327 | 330.1 | 7.135 | 35.059 | 4.19 | 0.15 | 27.447 | 0.430 | 1485. | 3.4 |
| 329 | 332.0 | 7.040 | 35.058 | 4.18 | 0.15 | 27.459 | 0.431 | 1484. | 3.1 |
| 331 | 334.0 | 7.020 | 35.059 | 4.17 | 0.16 | 27.463 | 0.433 | 1484. | 2.8 |
| 333 | 336.0 | 7.016 | 35.060 | 4.29 | 0.16 | 27.464 | 0.434 | 1484. | 2.6 |
| 335 | 338.1 | 7.014 | 35.061 | 4.32 | 0.16 | 27.465 | 0.435 | 1484. | 2.4 |
| 337 | 339.9 | 7.013 | 35.061 | 4.28 | 0.17 | 27.465 | 0.436 | 1484. | 2.4 |
| 339 | 342.0 | 6.986 | 35.061 | 4.33 | 0.17 | 27.469 | 0.438 | 1484. | 2.8 |
| 341 | 344.0 | 6.928 | 35.057 | 4.38 | 0.17 | 27.474 | 0.439 | 1484. | 3.1 |
| 343 | 346.0 | 6.854 | 35.053 | 4.39 | 0.18 | 27.481 | 0.440 | 1484. | 3.3 |
| 345 | 348.1 | 6.760 | 35.048 | 4.44 | 0.18 | 27.490 | 0.442 | 1484. | 3.1 |
| 347 | 349.9 | 6.668 | 35.045 | 4.44 | 0.18 | 27.500 | 0.443 | 1483. | 3.0 |
| 349 | 352.0 | 6.610 | 35.043 | 4.49 | 0.18 | 27.506 | 0.444 | 1483. | 2.8 |
| 351 | 354.1 | 6.602 | 35.043 | 4.58 | 0.18 | 27.508 | 0.446 | 1483. | 2.7 |
| 353 | 356.0 | 6.603 | 35.034 | 4.58 | 0.18 | 27.500 | 0.447 | 1483. | 2.7 |
| 355 | 358.0 | 6.581 | 35.044 | 4.58 | 0.19 | 27.511 | 0.448 | 1483. | 2.7 |
| 357 | 360.0 | 6.497 | 35.033 | 4.61 | 0.19 | 27.514 | 0.449 | 1483. | 2.9 |
| 359 | 361.9 | 6.427 | 35.034 | 4.60 | 0.19 | 27.524 | 0.450 | 1482. | 3.0 |
| 361 | 364.0 | 6.369 | 35.032 | 4.64 | 0.19 | 27.530 | 0.452 | 1482. | 3.1 |
| 363 | 365.9 | 6.315 | 35.029 | 4.71 | 0.19 | 27.535 | 0.453 | 1482. | 3.1 |
| 365 | 368.0 | 6.278 | 35.029 | 4.69 | 0.19 | 27.540 | 0.454 | 1482. | 3.2 |
| 367 | 370.0 | 6.257 | 35.028 | 4.78 | 0.20 | 27.542 | 0.455 | 1482. | 3.3 |
| 369 | 372.0 | 6.183 | 35.024 | 4.84 | 0.20 | 27.548 | 0.456 | 1482. | 3.5 |
| 371 | 374.0 | 6.092 | 35.023 | 4.85 | 0.21 | 27.559 | 0.458 | 1481. | 3.5 |
| 373 | 376.0 | 5.993 | 35.019 | 4.89 | 0.22 | 27.569 | 0.459 | 1481. | 3.5 |
| 375 | 378.0 | 5.910 | 35.015 | 4.93 | 0.22 | 27.577 | 0.460 | 1481. | 3.3 |
| 377 | 379.9 | 5.837 | 35.013 | 5.02 | 0.23 | 27.584 | 0.461 | 1480. | 2.9 |
| 379 | 382.1 | 5.815 | 35.013 | 5.05 | 0.23 | 27.587 | 0.462 | 1480. | 2.4 |
| 381 | 383.9 | 5.813 | 35.014 | 5.09 | 0.23 | 27.588 | 0.463 | 1480. | 2.0 |
| 383 | 386.0 | 5.814 | 35.014 | 5.08 | 0.23 | 27.588 | 0.464 | 1480. | 1.5 |
| 385 | 388.1 | 5.806 | 35.014 | 5.15 | 0.24 | 27.588 | 0.465 | 1480. | 1.1 |
| 387 | 390.0 | 5.792 | 35.013 | 5.16 | 0.24 | 27.590 | 0.466 | 1480. | 1.2 |
| 389 | 392.1 | 5.786 | 35.013 | 5.12 | 0.24 | 27.590 | 0.467 | 1480. | 1.3 |
| 391 | 393.9 | 5.789 | 35.013 | 5.11 | 0.24 | 27.590 | 0.468 | 1480. | 1.4 |
| 393 | 396.0 | 5.774 | 35.011 | 5.10 | 0.25 | 27.591 | 0.470 | 1480. | 1.5 |
| 395 | 398.1 | 5.735 | 35.009 | 5.13 | 0.25 | 27.594 | 0.471 | 1480. | 1.4 |
| 396 | 399.9 | 5.713 | 35.009 | 5.13 | 0.25 | 27.596 | 0.472 | 1480. | 1.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 80 | 14 JUL 1982 | 1350 | 40°15.0'N | 68°07.1'W | 1020 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 399 | 402.0 | 5.709 | 35.009 | 5.10 | 0.25 | 27.597 | 0.473 | 1480. | 1.4 |
| 401 | 404.1 | 5.706 | 35.009 | 5.12 | 0.25 | 27.597 | 0.474 | 1480. | 1.3 |
| 402 | 405.9 | 5.704 | 35.009 | 5.12 | 0.25 | 27.597 | 0.475 | 1480. | 1.1 |
| 405 | 408.1 | 5.696 | 35.008 | 5.15 | 0.26 | 27.598 | 0.476 | 1480. | 1.0 |
| 406 | 409.9 | 5.690 | 35.008 | 5.18 | 0.26 | 27.598 | 0.477 | 1480. | 0.9 |
| 408 | 412.0 | 5.679 | 35.007 | 5.16 | 0.26 | 27.599 | 0.478 | 1480. | 1.0 |
| 411 | 414.1 | 5.674 | 35.008 | 5.14 | 0.26 | 27.600 | 0.479 | 1480. | 1.0 |
| 412 | 415.9 | 5.671 | 35.007 | 5.17 | 0.27 | 27.600 | 0.480 | 1480. | 1.0 |
| 414 | 418.0 | 5.662 | 35.005 | 5.13 | 0.27 | 27.600 | 0.481 | 1480. | 1.1 |
| 416 | 420.0 | 5.650 | 35.006 | 5.14 | 0.27 | 27.602 | 0.482 | 1480. | 1.2 |
| 418 | 422.0 | 5.643 | 35.004 | 5.16 | 0.27 | 27.601 | 0.483 | 1480. | 1.4 |
| 420 | 424.1 | 5.631 | 35.004 | 5.16 | 0.28 | 27.603 | 0.485 | 1480. | 1.5 |
| 422 | 426.0 | 5.600 | 35.002 | 5.20 | 0.28 | 27.605 | 0.486 | 1480. | 1.5 |
| 424 | 428.0 | 5.583 | 35.002 | 5.17 | 0.28 | 27.607 | 0.487 | 1480. | 1.5 |
| 426 | 430.0 | 5.570 | 35.001 | 5.17 | 0.28 | 27.608 | 0.488 | 1480. | 1.6 |
| 428 | 432.0 | 5.559 | 35.001 | 5.19 | 0.28 | 27.609 | 0.489 | 1480. | 0.4 |
| 430 | 434.1 | 5.545 | 35.000 | 5.14 | 0.28 | 27.610 | 0.490 | 1480. | 0.5 |
| 432 | 436.0 | 5.525 | 34.998 | 5.19 | 0.28 | 27.611 | 0.491 | 1480. | 0.8 |
| 434 | 438.0 | 5.504 | 34.997 | 5.20 | 0.28 | 27.613 | 0.492 | 1480. | 1.1 |
| 436 | 440.0 | 5.514 | 34.973 | 5.15 | 0.28 | 27.593 | 0.493 | 1480. | 1.4 |
| 438 | 442.1 | 5.482 | 34.992 | 5.17 | 0.28 | 27.612 | 0.494 | 1480. | 1.6 |
| 440 | 443.9 | 5.469 | 34.995 | 5.21 | 0.28 | 27.615 | 0.495 | 1480. | 1.7 |
| 442 | 446.0 | 5.451 | 34.994 | 5.20 | 0.28 | 27.617 | 0.496 | 1480. | 1.9 |
| 444 | 448.0 | 5.436 | 34.993 | 5.17 | 0.28 | 27.618 | 0.497 | 1480. | 2.0 |
| 446 | 450.0 | 5.414 | 34.990 | 5.20 | 0.28 | 27.618 | 0.498 | 1480. | 1.4 |
| 448 | 452.1 | 5.402 | 34.990 | 5.19 | 0.28 | 27.620 | 0.499 | 1480. | 1.2 |
| 450 | 453.9 | 5.400 | 34.990 | 5.24 | 0.28 | 27.620 | 0.500 | 1480. | 1.2 |
| 452 | 456.0 | 5.396 | 34.990 | 5.20 | 0.28 | 27.620 | 0.501 | 1480. | 1.4 |
| 454 | 458.1 | 5.384 | 34.989 | 5.18 | 0.28 | 27.621 | 0.502 | 1480. | 1.5 |
| 456 | 459.9 | 5.372 | 34.988 | 5.24 | 0.28 | 27.622 | 0.503 | 1480. | 1.7 |
| 458 | 462.0 | 5.322 | 34.983 | 5.23 | 0.28 | 27.624 | 0.504 | 1480. | 1.8 |
| 460 | 464.1 | 5.275 | 34.980 | 5.21 | 0.28 | 27.627 | 0.506 | 1479. | 1.9 |
| 462 | 466.0 | 5.253 | 34.980 | 5.24 | 0.28 | 27.630 | 0.506 | 1479. | 1.9 |
| 464 | 468.0 | 5.221 | 34.977 | 5.27 | 0.28 | 27.631 | 0.508 | 1479. | 1.9 |
| 466 | 470.0 | 5.206 | 34.977 | 5.29 | 0.28 | 27.633 | 0.509 | 1479. | 1.8 |
| 468 | 472.0 | 5.192 | 34.976 | 5.27 | 0.28 | 27.634 | 0.510 | 1479. | 1.7 |
| 470 | 474.0 | 5.171 | 34.976 | 5.30 | 0.28 | 27.636 | 0.511 | 1479. | 1.6 |
| 472 | 476.0 | 5.165 | 34.976 | 5.33 | 0.28 | 27.637 | 0.512 | 1479. | 1.6 |
| 474 | 478.0 | 5.149 | 34.975 | 5.33 | 0.29 | 27.639 | 0.513 | 1479. | 1.6 |
| 476 | 480.0 | 5.123 | 34.974 | 5.30 | 0.29 | 27.640 | 0.514 | 1479. | 1.5 |
| 478 | 482.0 | 5.110 | 34.974 | 5.33 | 0.29 | 27.642 | 0.515 | 1479. | 1.4 |
| 480 | 483.9 | 5.105 | 34.974 | 5.39 | 0.29 | 27.643 | 0.516 | 1479. | 1.3 |
| 482 | 486.0 | 5.101 | 34.974 | 5.36 | 0.29 | 27.643 | 0.517 | 1479. | 1.2 |
| 484 | 487.9 | 5.099 | 34.974 | 5.37 | 0.29 | 27.643 | 0.517 | 1479. | 1.1 |
| 486 | 490.1 | 5.086 | 34.974 | 5.36 | 0.29 | 27.644 | 0.519 | 1479. | 1.1 |
| 488 | 492.0 | 5.076 | 34.973 | 5.38 | 0.29 | 27.645 | 0.520 | 1479. | 1.2 |
| 490 | 494.0 | 5.071 | 34.973 | 5.39 | 0.29 | 27.646 | 0.521 | 1479. | 1.3 |
| 492 | 496.0 | 5.065 | 34.972 | 5.37 | 0.29 | 27.646 | 0.522 | 1479. | 1.4 |
| 494 | −498.1 | 5.042 | 34.971 | 5.38 | 0.29 | 27.647 | 0.523 | 1479. | 1.4 |
| 495 | 499.9 | 5.016 | 34.971 | 5.43 | 0.29 | 27.651 | 0.523 | 1479. | 1.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 80 | 14 JUL 1982 | 1350 | 40°15.0'N | 68°07.1'W | 1020 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 515 | 520.1 | 4.937 | 34.968 | 5.44 | 0.30 | 27.657 | 0.533 | 1479. | 1.2 |
| 535 | 540.0 | 4.906 | 34.965 | 5.47 | 0.31 | 27.659 | 0.543 | 1479. | 1.1 |
| 555 | 560.0 | 4.816 | 34.964 | 5.51 | 0.31 | 27.668 | 0.553 | 1479. | 1.4 |
| 575 | 580.0 | 4.695 | 34.960 | 5.57 | 0.31 | 27.679 | 0.562 | 1479. | 1.0 |
| 595 | 600.1 | 4.661 | 34.960 | 5.55 | 0.31 | 27.682 | 0.571 | 1479. | 0.5 |
| 614 | 620.0 | 4.659 | 34.960 | 5.56 | 0.31 | 27.683 | 0.581 | 1479. | 0.1 |
| 634 | 640.0 | 4.619 | 34.959 | 5.55 | 0.31 | 27.686 | 0.590 | 1480. | 0.8 |
| 654 | 660.0 | 4.588 | 34.958 | 5.59 | 0.31 | 27.689 | 0.600 | 1480. | 0.9 |
| 674 | 679.9 | 4.606 | 34.959 | 5.58 | 0.30 | 27.688 | 0.609 | 1480. | 0.1 |
| 693 | 700.0 | 4.534 | 34.949 | 5.57 | 0.29 | 27.688 | 0.618 | 1480. | 1.3 |
| 713 | 720.0 | 4.510 | 34.956 | 5.58 | 0.28 | 27.697 | 0.628 | 1481. | 1.1 |
| 733 | 740.0 | 4.504 | 34.950 | 5.59 | 0.27 | 27.692 | 0.637 | 1481. | 0.3 |

STA 81 DAY: 14 TIME: 1527

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 24.0 | 22.4 | 20.9 | 45.7 | 18.5 | 70.9 | 15.8 | 95.0 | 13.6 |
| 0.0 | 23.7 | 22.4 | 20.8 | 46.7 | 18.5 | 70.9 | 15.8 | 95.0 | 13.6 |
| 0.0 | 23.6 | 23.4 | 20.8 | 46.7 | 18.4 | 70.9 | 15.7 | 96.0 | 13.6 |
| 0.0 | 23.4 | 23.4 | 20.7 | 46.7 | 18.3 | 71.9 | 15.7 | 96.0 | 13.5 |
| 0.0 | 23.4 | 24.3 | 20.7 | 47.6 | 18.3 | 71.9 | 15.6 | 97.0 | 13.5 |
| 0.0 | 23.3 | 24.3 | 20.6 | 47.6 | 18.2 | 71.9 | 15.5 | 97.9 | 13.5 |
| 1.0 | 23.2 | 25.3 | 20.6 | 48.6 | 18.1 | 72.8 | 15.5 | 98.9 | 13.4 |
| 1.0 | 23.1 | 25.3 | 20.5 | 49.6 | 18.0 | 72.8 | 15.4 | 99.9 | 13.4 |
| 1.0 | 23.1 | 26.3 | 20.4 | 49.6 | 17.9 | 72.8 | 15.4 | 100.8 | 13.3 |
| 1.9 | 23.1 | 27.3 | 20.4 | 49.6 | 17.9 | 73.8 | 15.3 | 100.8 | 13.3 |
| 2.9 | 23.0 | 28.2 | 20.4 | 49.6 | 17.8 | 73.8 | 15.3 | 100.8 | 13.3 |
| 2.9 | 22.9 | 28.2 | 20.3 | 49.6 | 17.8 | 74.8 | 15.2 | 101.8 | 13.2 |
| 3.9 | 22.8 | 28.2 | 20.2 | 49.6 | 17.7 | 74.8 | 15.1 | 102.8 | 13.1 |
| 3.9 | 22.8 | 29.2 | 20.1 | 50.6 | 17.6 | 74.8 | 15.0 | 103.7 | 13.1 |
| 3.9 | 22.7 | 29.2 | 20.0 | 50.6 | 17.5 | 74.8 | 15.0 | 103.7 | 13.0 |
| 3.9 | 22.6 | 29.2 | 20.0 | 50.6 | 17.5 | 74.8 | 14.9 | 104.7 | 13.0 |
| 4.9 | 22.5 | 29.2 | 20.0 | 51.5 | 17.4 | 74.8 | 14.9 | 105.6 | 12.9 |
| 4.9 | 22.4 | 29.2 | 19.9 | 51.5 | 17.4 | 75.7 | 14.8 | 106.6 | 12.9 |
| 4.9 | 22.3 | 30.2 | 19.9 | 52.5 | 17.3 | 75.7 | 14.7 | 107.6 | 12.9 |
| 5.8 | 22.3 | 31.1 | 19.9 | 53.5 | 17.3 | 75.7 | 14.7 | 108.5 | 12.9 |
| 5.8 | 22.2 | 32.1 | 19.9 | 54.4 | 17.3 | 75.7 | 14.6 | 110.5 | 12.9 |
| 6.8 | 22.1 | 33.1 | 19.9 | 54.4 | 17.2 | 76.7 | 14.6 | 110.5 | 12.9 |
| 6.8 | 22.1 | 34.1 | 19.8 | 54.4 | 17.1 | 77.7 | 14.6 | 110.5 | 13.0 |
| 7.8 | 22.1 | 35.0 | 19.8 | 55.4 | 17.1 | 77.7 | 14.6 | 110.5 | 13.0 |
| 8.8 | 22.0 | 35.0 | 19.7 | 56.4 | 17.1 | 78.6 | 14.5 | 110.5 | 13.0 |
| 8.8 | 21.9 | 36.0 | 19.7 | 56.4 | 17.0 | 78.6 | 14.5 | 111.4 | 13.0 |
| 8.8 | 21.9 | 36.0 | 19.5 | 57.3 | 17.0 | 79.6 | 14.5 | 111.4 | 13.1 |
| 8.8 | 21.9 | 37.0 | 19.4 | 57.3 | 16.9 | 79.6 | 14.4 | 113.4 | 13.1 |
| 9.7 | 21.8 | 37.0 | 19.3 | 58.3 | 16.9 | 80.6 | 14.4 | 114.3 | 13.1 |
| 9.7 | 21.8 | 37.0 | 19.2 | 59.3 | 16.8 | 80.6 | 14.3 | 115.3 | 13.0 |
| 9.7 | 21.8 | 37.0 | 19.1 | 60.2 | 16.8 | 81.5 | 14.3 | 116.2 | 13.0 |
| 10.7 | 21.7 | 37.9 | 19.0 | 60.2 | 16.7 | 82.5 | 14.3 | 118.2 | 13.0 |
| 11.7 | 21.7 | 37.9 | 18.8 | 61.2 | 16.7 | 82.5 | 14.2 | 119.1 | 13.0 |
| 11.7 | 21.6 | 37.9 | 18.7 | 61.2 | 16.7 | 83.5 | 14.2 | 121.1 | 12.9 |
| 12.7 | 21.5 | 37.9 | 18.6 | 61.2 | 16.6 | 83.5 | 14.2 | 122.0 | 12.9 |
| 12.7 | 21.5 | 37.9 | 18.5 | 62.2 | 16.6 | 84.4 | 14.1 | 123.0 | 12.8 |
| 13.6 | 21.4 | 38.9 | 18.5 | 63.1 | 16.5 | 85.4 | 14.1 | 123.9 | 12.7 |
| 13.6 | 21.4 | 39.9 | 18.4 | 64.1 | 16.4 | 86.4 | 14.1 | 125.9 | 12.7 |
| 14.6 | 21.3 | 40.9 | 18.4 | 64.1 | 16.4 | 88.3 | 14.1 | 127.8 | 12.7 |
| 14.6 | 21.3 | 41.8 | 18.4 | 64.1 | 16.3 | 89.2 | 14.1 | 129.7 | 12.7 |
| 14.6 | 21.2 | 42.8 | 18.5 | 65.1 | 16.3 | 89.2 | 14.1 | 131.6 | 12.6 |
| 15.6 | 21.2 | 42.8 | 18.5 | 66.0 | 16.3 | 89.2 | 14.1 | 132.6 | 12.5 |
| 16.6 | 21.2 | 43.8 | 18.6 | 67.0 | 16.2 | 90.2 | 14.0 | 134.5 | 12.5 |
| 17.5 | 21.2 | 43.8 | 18.6 | 68.0 | 16.2 | 90.2 | 13.9 | 136.4 | 12.5 |
| 18.5 | 21.2 | 44.7 | 18.6 | 69.0 | 16.2 | 90.2 | 13.9 | 138.3 | 12.5 |
| 19.5 | 21.1 | 44.7 | 18.6 | 69.0 | 16.1 | 90.2 | 13.8 | 140.3 | 12.5 |
| 19.5 | 21.1 | 44.7 | 18.7 | 69.0 | 16.1 | 91.2 | 13.8 | 142.2 | 12.4 |
| 20.4 | 21.0 | 44.7 | 18.7 | 69.9 | 16.0 | 91.2 | 13.7 | 144.1 | 12.4 |
| 20.4 | 21.0 | 45.7 | 18.7 | 69.9 | 15.9 | 92.1 | 13.6 | 146.0 | 12.4 |
| 21.4 | 20.9 | 45.7 | 18.6 | 70.9 | 15.8 | 94.1 | 13.6 | 147.0 | 12.4 |

STA 81 DAY: 14 TIME: 1527

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 148.9 | 12.4 | 197.7 | 10.4 | 250.0 | 9.1 | 306.7 | 7.3 | 379.9 | 5.9 |
| 148.9 | 12.3 | 198.6 | 10.3 | 250.0 | 9.0 | 307.6 | 7.3 | 381.7 | 5.9 |
| 149.9 | 12.3 | 200.5 | 10.3 | 250.9 | 9.0 | 309.5 | 7.2 | 383.6 | 5.9 |
| 150.8 | 12.3 | 201.5 | 10.3 | 251.9 | 8.9 | 310.5 | 7.2 | 386.4 | 5.9 |
| 152.7 | 12.2 | 202.5 | 10.3 | 252.8 | 8.9 | 312.4 | 7.2 | 390.1 | 5.9 |
| 154.7 | 12.2 | 204.4 | 10.3 | 252.8 | 8.9 | 313.3 | 7.2 | 393.9 | 5.9 |
| 155.6 | 12.2 | 205.3 | 10.2 | 253.8 | 8.9 | 314.2 | 7.1 | 395.7 | 5.8 |
| 156.6 | 12.2 | 206.3 | 10.2 | 254.7 | 8.8 | 316.1 | 7.1 | 398.5 | 5.8 |
| 158.5 | 12.2 | 207.2 | 10.2 | 255.7 | 8.8 | 317.1 | 7.0 | 400.4 | 5.8 |
| 158.5 | 12.1 | 208.2 | 10.2 | 255.7 | 8.7 | 318.9 | 7.0 | 402.3 | 5.8 |
| 159.4 | 12.1 | 210.1 | 10.2 | 256.6 | 8.7 | 320.8 | 7.0 | 403.2 | 5.8 |
| 160.4 | 12.0 | 210.1 | 10.1 | 257.6 | 8.6 | 322.7 | 7.0 | 405.1 | 5.7 |
| 162.3 | 12.0 | 211.0 | 10.1 | 258.5 | 8.6 | 323.6 | 6.9 | 406.0 | 5.7 |
| 162.3 | 12.0 | 212.9 | 10.0 | 259.5 | 8.5 | 324.6 | 6.9 | 407.8 | 5.7 |
| 163.3 | 12.0 | 213.9 | 10.0 | 259.5 | 8.5 | 324.6 | 6.9 | 409.7 | 5.6 |
| 164.2 | 12.0 | 214.8 | 10.0 | 260.4 | 8.5 | 326.5 | 6.8 | 411.6 | 5.5 |
| 165.2 | 11.9 | 215.8 | 9.9 | 261.4 | 8.4 | 327.4 | 6.8 | 413.4 | 5.5 |
| 167.1 | 11.9 | 216.7 | 9.9 | 263.3 | 8.4 | 328.3 | 6.8 | 416.2 | 5.5 |
| 169.0 | 11.9 | 217.7 | 9.8 | 264.2 | 8.4 | 329.3 | 6.7 | 418.1 | 5.5 |
| 169.0 | 11.8 | 218.6 | 9.8 | 267.0 | 8.4 | 330.2 | 6.6 | 420.9 | 5.5 |
| 170.0 | 11.8 | 220.5 | 9.8 | 268.9 | 8.4 | 331.2 | 6.6 | 423.7 | 5.4 |
| 170.9 | 11.7 | 221.5 | 9.7 | 269.9 | 8.4 | 332.1 | 6.6 | 425.5 | 5.4 |
| 172.9 | 11.7 | 222.4 | 9.7 | 270.8 | 8.4 | 333.0 | 6.5 | 427.4 | 5.4 |
| 174.8 | 11.7 | 223.4 | 9.7 | 270.8 | 8.3 | 334.0 | 6.5 | 431.1 | 5.4 |
| 176.7 | 11.7 | 225.3 | 9.7 | 271.8 | 8.3 | 335.9 | 6.5 | 433.9 | 5.3 |
| 176.7 | 11.6 | 226.3 | 9.6 | 272.7 | 8.2 | 337.7 | 6.5 | 435.7 | 5.3 |
| 177.6 | 11.5 | 227.2 | 9.6 | 273.7 | 8.2 | 338.7 | 6.5 | 438.5 | 5.3 |
| 177.6 | 11.4 | 229.1 | 9.5 | 275.6 | 8.2 | 339.6 | 6.4 | 440.4 | 5.3 |
| 178.6 | 11.4 | 230.1 | 9.4 | 277.4 | 8.2 | 340.5 | 6.4 | 441.3 | 5.3 |
| 178.6 | 11.3 | 231.0 | 9.4 | 278.4 | 8.1 | 341.5 | 6.3 | 442.2 | 5.3 |
| 179.5 | 11.2 | 232.0 | 9.4 | 280.3 | 8.1 | 344.3 | 6.3 | 444.1 | 5.2 |
| 180.5 | 11.2 | 233.9 | 9.3 | 281.2 | 8.0 | 345.2 | 6.3 | 446.9 | 5.2 |
| 181.5 | 11.2 | 235.8 | 9.3 | 283.1 | 8.0 | 347.1 | 6.3 | 448.7 | 5.2 |
| 182.4 | 11.1 | 236.7 | 9.3 | 284.1 | 8.0 | 348.1 | 6.3 | 450.6 | 5.2 |
| 183.4 | 11.1 | 237.7 | 9.3 | 286.9 | 7.9 | 350.9 | 6.2 | 454.3 | 5.2 |
| 183.4 | 11.0 | 240.5 | 9.3 | 287.8 | 7.9 | 352.7 | 6.2 | 456.1 | 5.2 |
| 184.3 | 11.0 | 240.5 | 9.3 | 289.7 | 7.9 | 354.6 | 6.2 | 457.1 | 5.2 |
| 185.3 | 10.9 | 241.5 | 9.3 | 290.7 | 7.9 | 355.6 | 6.2 | 458.9 | 5.2 |
| 185.3 | 10.8 | 242.4 | 9.3 | 291.6 | 7.8 | 359.3 | 6.1 | 460.8 | 5.2 |
| 187.2 | 10.8 | 244.3 | 9.3 | 291.6 | 7.8 | 360.2 | 6.1 | 462.6 | 5.2 |
| 188.1 | 10.8 | 245.2 | 9.2 | 293.5 | 7.7 | 362.1 | 6.1 | 464.5 | 5.2 |
| 189.1 | 10.7 | 245.2 | 9.2 | 294.4 | 7.6 | 363.0 | 6.0 | 467.2 | 5.2 |
| 190.1 | 10.7 | 246.2 | 9.2 | 295.4 | 7.5 | 365.8 | 6.0 | 470.0 | 5.2 |
| 191.0 | 10.7 | 246.2 | 9.2 | 297.3 | 7.5 | 366.8 | 5.9 | 472.8 | 5.2 |
| 192.9 | 10.6 | 246.2 | 9.2 | 300.1 | 7.5 | 369.6 | 5.9 | 476.5 | 5.2 |
| 192.9 | 10.6 | 247.1 | 9.1 | 301.0 | 7.5 | 370.5 | 5.9 | 477.4 | 5.2 |
| 193.9 | 10.6 | 247.1 | 9.1 | 302.0 | 7.4 | 372.4 | 5.9 | 479.2 | 5.2 |
| 194.8 | 10.5 | 248.1 | 9.1 | 303.9 | 7.4 | 373.3 | 5.9 | 482.0 | 5.2 |
| 195.8 | 10.5 | 248.1 | 9.1 | 304.8 | 7.3 | 375.2 | 5.9 | 484.8 | 5.2 |
| 197.7 | 10.4 | 249.0 | 9.1 | 305.8 | 7.3 | 378.9 | 5.9 | 486.6 | 5.2 |

STA 81 DAY: 14 TIME: 1527

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|
| 488.5 | 5.2 | 602.9 | 4.8 | 727.5 | 4.5 |
| 491.2 | 5.2 | 605.7 | 4.8 | 730.1 | 4.5 |
| 492.2 | 5.2 | 608.4 | 4.8 | 731.9 | 4.5 |
| 493.1 | 5.1 | 611.1 | 4.8 | 734.6 | 4.5 |
| 495.8 | 5.1 | 613.8 | 4.8 | 737.3 | 4.5 |
| 498.6 | 5.0 | 616.6 | 4.8 | 740.0 | 4.5 |
| 500.4 | 5.0 | 618.4 | 4.8 | 743.6 | 4.5 |
| 501.4 | 5.0 | 621.1 | 4.8 | 745.3 | 4.5 |
| 503.2 | 5.0 | 623.8 | 4.7 | 748.0 | 4.5 |
| 505.0 | 5.0 | 626.5 | 4.7 | 749.8 | 4.4 |
| 506.9 | 5.0 | 631.1 | 4.7 | | |
| 510.6 | 5.0 | 632.9 | 4.7 | | |
| 512.4 | 5.0 | 635.6 | 4.7 | | |
| 515.2 | 5.0 | 637.4 | 4.7 | | |
| 518.8 | 5.0 | 640.1 | 4.7 | | |
| 520.7 | 5.0 | 643.8 | 4.7 | | |
| 524.4 | 5.0 | 645.6 | 4.7 | | |
| 526.2 | 5.0 | 647.4 | 4.7 | | |
| 528.0 | 5.0 | 650.1 | 4.7 | | |
| 530.8 | 4.9 | 652.8 | 4.7 | | |
| 533.5 | 4.9 | 654.6 | 4.7 | | |
| 535.4 | 5.0 | 656.4 | 4.7 | | |
| 539.0 | 5.0 | 659.1 | 4.7 | | |
| 539.9 | 5.0 | 660.9 | 4.7 | | |
| 542.7 | 4.9 | 662.7 | 4.7 | | |
| 544.5 | 4.9 | 665.4 | 4.7 | | |
| 546.4 | 4.9 | 667.2 | 4.7 | | |
| 549.1 | 4.9 | 670.0 | 4.7 | | |
| 551.8 | 4.9 | 670.9 | 4.6 | | |
| 554.6 | 4.9 | 673.6 | 4.6 | | |
| 556.4 | 4.9 | 676.3 | 4.6 | | |
| 559.2 | 4.9 | 678.1 | 4.6 | | |
| 560.1 | 4.9 | 680.8 | 4.6 | | |
| 561.9 | 4.9 | 683.5 | 4.6 | | |
| 564.7 | 4.9 | 684.4 | 4.6 | | |
| 566.5 | 4.9 | 687.1 | 4.6 | | |
| 568.3 | 4.9 | 689.8 | 4.6 | | |
| 572.0 | 4.9 | 692.5 | 4.6 | | |
| 573.8 | 4.8 | 694.3 | 4.6 | | |
| 576.5 | 4.8 | 696.1 | 4.6 | | |
| 578.3 | 4.8 | 697.9 | 4.6 | | |
| 580.2 | 4.8 | 699.7 | 4.6 | | |
| 582.0 | 4.8 | 704.1 | 4.6 | | |
| 583.8 | 4.8 | 705.9 | 4.6 | | |
| 586.5 | 4.8 | 708.6 | 4.6 | | |
| 588.4 | 4.8 | 711.3 | 4.6 | | |
| 592.0 | 4.8 | 714.0 | 4.6 | | |
| 593.8 | 4.8 | 717.6 | 4.5 | | |
| 596.6 | 4.8 | 720.3 | 4.5 | | |
| 600.2 | 4.8 | 723.9 | 4.5 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 82 | 14 JUL 1982 | 1500 | 40°13.1'N | 68°14.2'W | 575 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.8 | 20.815 | 34.540 | 5.20 | 0.31 | 24.195 | 0.000 | 1523. | 12.2 |
| 2 | 1.9 | 20.751 | 34.534 | 5.41 | 0.31 | 24.208 | 0.004 | 1523. | 12.2 |
| 4 | 4.0 | 20.513 | 34.519 | 5.57 | 0.32 | 24.260 | 0.012 | 1522. | 12.2 |
| 6 | 6.0 | 20.328 | 34.502 | 5.68 | 0.33 | 24.296 | 0.019 | 1522. | 12.2 |
| 8 | 8.0 | 20.057 | 34.569 | 5.75 | 0.37 | 24.419 | 0.026 | 1521. | 12.2 |
| 10 | 10.0 | 19.895 | 34.645 | 5.78 | 0.38 | 24.520 | 0.033 | 1521. | 12.6 |
| 12 | 12.1 | 19.580 | 34.713 | 5.87 | 0.39 | 24.654 | 0.040 | 1520. | 12.8 |
| 14 | 14.0 | 19.370 | 34.780 | 5.92 | 0.40 | 24.760 | 0.046 | 1520. | 13.0 |
| 16 | 16.0 | 18.927 | 34.823 | 6.01 | 0.43 | 24.906 | 0.052 | 1519. | 12.6 |
| 18 | 18.0 | 18.877 | 34.876 | 6.04 | 0.42 | 24.959 | 0.058 | 1518. | 11.9 |
| 20 | 20.0 | 18.823 | 34.948 | 6.03 | 0.42 | 25.028 | 0.064 | 1518. | 11.2 |
| 22 | 21.9 | 18.235 | 34.940 | 6.16 | 0.44 | 25.169 | 0.070 | 1517. | 10.5 |
| 24 | 24.0 | 18.268 | 35.000 | 6.21 | 0.44 | 25.206 | 0.076 | 1517. | 10.3 |
| 26 | 26.0 | 18.509 | 35.090 | 6.18 | 0.44 | 25.215 | 0.081 | 1518. | 10.7 |
| 28 | 28.0 | 18.170 | 35.092 | 6.22 | 0.44 | 25.301 | 0.086 | 1517. | 11.8 |
| 30 | 30.0 | 17.890 | 35.053 | 6.18 | 0.45 | 25.341 | 0.092 | 1516. | 12.8 |
| 32 | 32.0 | 17.129 | 34.992 | 6.17 | 0.45 | 25.478 | 0.097 | 1514. | 13.7 |
| 34 | 34.0 | 16.558 | 34.969 | 5.97 | 0.44 | 25.595 | 0.102 | 1512. | 14.1 |
| 36 | 36.0 | 15.432 | 34.988 | 5.96 | 0.43 | 25.867 | 0.106 | 1509. | 14.0 |
| 38 | 38.0 | 14.990 | 35.038 | 5.82 | 0.37 | 26.004 | 0.111 | 1507. | 13.6 |
| 40 | 40.0 | 14.642 | 34.997 | 5.67 | 0.32 | 26.048 | 0.114 | 1506. | 12.6 |
| 42 | 42.0 | 14.310 | 34.992 | 5.56 | 0.25 | 26.116 | 0.118 | 1505. | 11.3 |
| 44 | 44.0 | 13.903 | 34.958 | 5.47 | 0.21 | 26.175 | 0.122 | 1504. | 9.5 |
| 46 | 46.1 | 13.452 | 34.935 | 5.42 | 0.18 | 26.251 | 0.126 | 1502. | 8.5 |
| 48 | 47.9 | 13.259 | 34.951 | 5.36 | 0.17 | 26.303 | 0.129 | 1502. | 7.8 |
| 50 | 50.0 | 13.301 | 34.974 | 5.27 | 0.17 | 26.313 | 0.133 | 1502. | 7.3 |
| 52 | 52.0 | 13.330 | 35.007 | 5.18 | 0.17 | 26.332 | 0.136 | 1502. | 6.8 |
| 54 | 54.0 | 13.314 | 35.018 | 5.11 | 0.17 | 26.344 | 0.139 | 1502. | 6.3 |
| 55 | 55.9 | 13.238 | 35.026 | 5.07 | 0.16 | 26.365 | 0.143 | 1502. | 6.4 |
| 57 | 57.9 | 13.067 | 35.055 | 5.08 | 0.16 | 26.423 | 0.146 | 1501. | 6.8 |
| 59 | 59.9 | 13.033 | 35.072 | 5.07 | 0.15 | 26.443 | 0.149 | 1501. | 6.7 |
| 61 | 62.0 | 13.001 | 35.088 | 5.09 | 0.15 | 26.461 | 0.152 | 1501. | 6.4 |
| 64 | 64.0 | 13.190 | 35.200 | 5.06 | 0.15 | 26.510 | 0.156 | 1502. | 6.0 |
| 66 | 66.0 | 13.581 | 35.340 | 4.99 | 0.14 | 26.538 | 0.159 | 1504. | 5.8 |
| 67 | 68.0 | 13.917 | 35.430 | 4.90 | 0.14 | 26.538 | 0.161 | 1505. | 5.8 |
| 69 | 70.0 | 13.922 | 35.423 | 4.86 | 0.14 | 26.531 | 0.164 | 1505. | 5.6 |
| 71 | 72.0 | 13.610 | 35.371 | 4.89 | 0.14 | 26.557 | 0.167 | 1504. | 5.4 |
| 73 | 73.9 | 13.290 | 35.371 | 4.95 | 0.14 | 26.622 | 0.170 | 1503. | 5.6 |
| 75 | 76.0 | 13.502 | 35.440 | 4.86 | 0.13 | 26.615 | 0.173 | 1504. | 5.9 |
| 77 | 77.9 | 13.571 | 35.465 | 4.83 | 0.13 | 26.637 | 0.176 | 1504. | 5.9 |
| 79 | 79.9 | 13.371 | 35.424 | 4.84 | 0.12 | 26.647 | 0.179 | 1503. | 5.4 |
| 81 | 82.0 | 13.195 | 35.427 | 4.84 | 0.12 | 26.685 | 0.182 | 1503. | 4.9 |
| 83 | 84.0 | 13.212 | 35.448 | 4.83 | 0.12 | 26.698 | 0.184 | 1503. | 4.8 |
| 85 | 86.0 | 13.223 | 35.467 | 4.82 | 0.12 | 26.710 | 0.187 | 1503. | 4.5 |
| 87 | 88.0 | 13.253 | 35.485 | 4.80 | 0.12 | 26.718 | 0.190 | 1503. | 4.1 |
| 89 | 90.0 | 13.306 | 35.501 | 4.78 | 0.12 | 26.719 | 0.193 | 1503. | 3.8 |
| 91 | 92.0 | 13.272 | 35.505 | 4.78 | 0.12 | 26.729 | 0.195 | 1503. | 3.7 |
| 93 | 94.0 | 13.286 | 35.522 | 4.77 | 0.11 | 26.740 | 0.198 | 1503. | 3.6 |
| 95 | 96.0 | 13.309 | 35.540 | 4.75 | 0.11 | 26.749 | 0.201 | 1503. | 3.4 |
| 97 | 98.0 | 13.260 | 35.548 | 4.75 | 0.11 | 26.766 | 0.203 | 1503. | 3.2 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 82 | 14 JUL 1982 | 1500 | 40°13.1'N | 68°14.2'W | 575 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 99 | 100.0 | 13.264 | 35.551 | 4.74 | 0.12 | 26.767 | 0.206 | 1503. | 2.8 |
| 101 | 102.0 | 13.260 | 35.552 | 4.73 | 0.12 | 26.768 | 0.208 | 1503. | 2.6 |
| 103 | 104.1 | 13.265 | 35.554 | 4.72 | 0.12 | 26.769 | 0.211 | 1503. | 2.5 |
| 105 | 106.1 | 13.273 | 35.555 | 4.70 | 0.12 | 26.768 | 0.214 | 1503. | 2.3 |
| 107 | 108.0 | 13.251 | 35.553 | 4.68 | 0.12 | 26.771 | 0.216 | 1503. | 2.5 |
| 109 | 110.0 | 13.206 | 35.561 | 4.69 | 0.12 | 26.786 | 0.219 | 1503. | 2.7 |
| 111 | 112.0 | 13.183 | 35.560 | 4.68 | 0.12 | 26.791 | 0.221 | 1503. | 2.5 |
| 113 | 114.0 | 13.164 | 35.552 | 4.66 | 0.12 | 26.788 | 0.224 | 1503. | 3.1 |
| 115 | 116.0 | 13.073 | 35.537 | 4.65 | 0.12 | 26.795 | 0.226 | 1503. | 3.1 |
| 117 | 118.0 | 13.015 | 35.529 | 4.64 | 0.12 | 26.801 | 0.229 | 1503. | 3.1 |
| 119 | 120.0 | 12.944 | 35.520 | 4.62 | 0.12 | 26.808 | 0.231 | 1503. | 3.2 |
| 121 | 122.0 | 12.899 | 35.523 | 4.60 | 0.12 | 26.819 | 0.234 | 1502. | 3.3 |
| 123 | 124.0 | 12.931 | 35.539 | 4.56 | 0.12 | 26.825 | 0.236 | 1503. | 3.2 |
| 125 | 126.0 | 12.998 | 35.563 | 4.53 | 0.12 | 26.831 | 0.239 | 1503. | 3.1 |
| 127 | 128.0 | 13.068 | 35.590 | 4.48 | 0.12 | 26.837 | 0.241 | 1503. | 3.1 |
| 129 | 130.0 | 13.104 | 35.600 | 4.44 | 0.12 | 26.838 | 0.244 | 1503. | 3.0 |
| 131 | 132.0 | 13.082 | 35.603 | 4.41 | 0.12 | 26.844 | 0.246 | 1503. | 2.8 |
| 133 | 134.0 | 13.018 | 35.596 | 4.38 | 0.12 | 26.852 | 0.249 | 1503. | 2.8 |
| 135 | 136.0 | 12.950 | 35.591 | 4.34 | 0.12 | 26.862 | 0.251 | 1503. | 3.1 |
| 137 | 138.0 | 12.943 | 35.594 | 4.30 | 0.12 | 26.866 | 0.254 | 1503. | 3.5 |
| 139 | 140.0 | 12.961 | 35.585 | 4.24 | 0.12 | 26.855 | 0.256 | 1503. | 3.6 |
| 141 | 142.0 | 12.795 | 35.567 | 4.23 | 0.12 | 26.874 | 0.258 | 1503. | 3.6 |
| 143 | 144.0 | 12.698 | 35.566 | 4.21 | 0.12 | 26.893 | 0.261 | 1502. | 3.5 |
| 145 | 146.0 | 12.639 | 35.564 | 4.18 | 0.12 | 26.903 | 0.263 | 1502. | 3.8 |
| 147 | 148.0 | 12.609 | 35.561 | 4.16 | 0.12 | 26.907 | 0.266 | 1502. | 4.0 |
| 149 | 150.0 | 12.572 | 35.554 | 4.13 | 0.12 | 26.908 | 0.268 | 1502. | 3.7 |
| 151 | 152.0 | 12.485 | 35.537 | 4.13 | 0.13 | 26.913 | 0.270 | 1502. | 3.4 |
| 153 | 154.0 | 12.336 | 35.533 | 4.14 | 0.13 | 26.938 | 0.273 | 1501. | 3.3 |
| 155 | 155.9 | 12.305 | 35.531 | 4.12 | 0.13 | 26.943 | 0.275 | 1501. | 3.1 |
| 157 | 158.0 | 12.291 | 35.529 | 4.12 | 0.13 | 26.945 | 0.277 | 1501. | 2.9 |
| 159 | 160.1 | 12.283 | 35.528 | 4.11 | 0.13 | 26.945 | 0.280 | 1501. | 2.5 |
| 161 | 162.0 | 12.266 | 35.526 | 4.10 | 0.13 | 26.947 | 0.282 | 1501. | 1.8 |
| 163 | 163.9 | 12.238 | 35.522 | 4.11 | 0.13 | 26.949 | 0.284 | 1501. | 1.4 |
| 165 | 166.0 | 12.210 | 35.522 | 4.11 | 0.13 | 26.954 | 0.286 | 1501. | 1.7 |
| 167 | 168.0 | 12.208 | 35.521 | 4.10 | 0.13 | 26.954 | 0.289 | 1501. | 2.0 |
| 169 | 170.0 | 12.205 | 35.519 | 4.11 | 0.13 | 26.954 | 0.291 | 1501. | 2.3 |
| 171 | 172.0 | 12.175 | 35.504 | 4.09 | 0.13 | 26.948 | 0.293 | 1501. | 2.5 |
| 173 | 174.0 | 12.022 | 35.488 | 4.11 | 0.14 | 26.964 | 0.295 | 1500. | 2.6 |
| 175 | 176.1 | 11.941 | 35.475 | 4.11 | 0.14 | 26.970 | 0.298 | 1500. | 2.8 |
| 177 | 178.0 | 11.888 | 35.469 | 4.10 | 0.14 | 26.975 | 0.300 | 1500. | 3.0 |
| 179 | 180.0 | 11.868 | 35.466 | 4.08 | 0.14 | 26.977 | 0.302 | 1500. | 2.9 |
| 180 | 182.0 | 11.858 | 35.466 | 4.07 | 0.14 | 26.979 | 0.304 | 1500. | 2.4 |
| 182 | 184.0 | 11.831 | 35.473 | 4.03 | 0.14 | 26.990 | 0.306 | 1500. | 2.4 |
| 185 | 186.0 | 11.759 | 35.459 | 4.01 | 0.14 | 26.992 | 0.309 | 1500. | 2.9 |
| 187 | 188.0 | 11.733 | 35.454 | 3.97 | 0.14 | 26.994 | 0.311 | 1500. | 3.4 |
| 188 | 190.0 | 11.704 | 35.442 | 3.92 | 0.15 | 26.990 | 0.313 | 1499. | 3.7 |
| 190 | 192.0 | 11.554 | 35.421 | 3.91 | 0.15 | 27.002 | 0.315 | 1499. | 4.1 |
| 192 | 194.0 | 11.392 | 35.413 | 3.89 | 0.15 | 27.025 | 0.317 | 1498. | 4.4 |
| 194 | 196.0 | 11.276 | 35.408 | 3.86 | 0.15 | 27.043 | 0.320 | 1498. | 4.5 |
| 196 | 198.0 | 11.214 | 35.400 | 3.84 | 0.15 | 27.043 | 0.322 | 1498. | 4.7 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 82 | 14 JUL 1982 | 1500 | 40°13.1'N | 68°14.2'W | 575 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 198 | 200.0 | 11.085 | 35.394 | 3.81 | 0.15 | 27.068 | 0.324 | 1497. | 4.6 |
| 200 | 202.0 | 11.024 | 35.385 | 3.78 | 0.15 | 27.072 | 0.326 | 1497. | 4.7 |
| 202 | 204.0 | 10.899 | 35.367 | 3.77 | 0.15 | 27.081 | 0.328 | 1497. | 4.9 |
| 204 | 206.0 | 10.716 | 35.356 | 3.77 | 0.15 | 27.104 | 0.330 | 1496. | 4.9 |
| 206 | 208.0 | 10.569 | 35.335 | 3.77 | 0.15 | 27.115 | 0.332 | 1496. | 4.7 |
| 208 | 210.0 | 10.361 | 35.326 | 3.78 | 0.15 | 27.145 | 0.334 | 1495. | 4.4 |
| 210 | 212.0 | 10.294 | 35.325 | 3.78 | 0.15 | 27.155 | 0.336 | 1495. | 4.0 |
| 212 | 214.0 | 10.279 | 35.322 | 3.76 | 0.15 | 27.156 | 0.338 | 1495. | 3.6 |
| 214 | 216.0 | 10.263 | 35.322 | 3.76 | 0.15 | 27.158 | 0.340 | 1495. | 3.3 |
| 216 | 218.0 | 10.251 | 35.314 | 3.74 | 0.15 | 27.154 | 0.341 | 1495. | 2.9 |
| 218 | 220.1 | 10.138 | 35.302 | 3.73 | 0.15 | 27.165 | 0.343 | 1494. | 3.1 |
| 220 | 222.0 | 10.040 | 35.298 | 3.74 | 0.15 | 27.178 | 0.345 | 1494. | 3.1 |
| 222 | 224.0 | 9.979 | 35.291 | 3.74 | 0.16 | 27.184 | 0.347 | 1494. | 3.4 |
| 224 | 226.0 | 9.921 | 35.285 | 3.74 | 0.16 | 27.189 | 0.349 | 1494. | 3.6 |
| 226 | 227.9 | 9.864 | 35.282 | 3.73 | 0.16 | 27.196 | 0.351 | 1493. | 3.5 |
| 228 | 230.0 | 9.810 | 35.267 | 3.72 | 0.16 | 27.193 | 0.353 | 1493. | 3.5 |
| 230 | 232.0 | 9.651 | 35.260 | 3.74 | 0.16 | 27.215 | 0.354 | 1493. | 3.6 |
| 232 | 234.1 | 9.592 | 35.254 | 3.74 | 0.16 | 27.220 | 0.356 | 1493. | 3.5 |
| 234 | 236.0 | 9.523 | 35.247 | 3.74 | 0.16 | 27.226 | 0.358 | 1492. | 3.5 |
| 236 | 238.0 | 9.438 | 35.246 | 3.76 | 0.16 | 27.239 | 0.360 | 1492. | 3.3 |
| 238 | 240.0 | 9.414 | 35.245 | 3.75 | 0.16 | 27.242 | 0.361 | 1492. | 3.1 |
| 240 | 242.0 | 9.395 | 35.239 | 3.74 | 0.17 | 27.241 | 0.363 | 1492. | 3.2 |
| 242 | 244.0 | 9.311 | 35.233 | 3.75 | 0.17 | 27.250 | 0.365 | 1492. | 3.2 |
| 244 | 246.0 | 9.249 | 35.220 | 3.76 | 0.17 | 27.250 | 0.367 | 1491. | 3.2 |
| 246 | 248.0 | 9.118 | 35.212 | 3.77 | 0.17 | 27.265 | 0.368 | 1491. | 3.2 |
| 248 | 250.0 | 9.034 | 35.208 | 3.78 | 0.17 | 27.276 | 0.370 | 1491. | 3.2 |
| 250 | 252.0 | 9.064 | 35.206 | 3.78 | 0.17 | 27.279 | 0.372 | 1491. | 2.9 |
| 252 | 254.0 | 8.975 | 35.203 | 3.79 | 0.17 | 27.282 | 0.373 | 1491. | 2.6 |
| 254 | 256.0 | 8.957 | 35.202 | 3.79 | 0.17 | 27.284 | 0.375 | 1490. | 2.1 |
| 256 | 258.0 | 8.932 | 35.200 | 3.79 | 0.17 | 27.287 | 0.377 | 1490. | 2.2 |
| 258 | 260.0 | 8.921 | 35.197 | 3.79 | 0.17 | 27.286 | 0.378 | 1490. | 2.6 |
| 260 | 262.0 | 8.874 | 35.190 | 3.80 | 0.17 | 27.288 | 0.380 | 1490. | 2.8 |
| 262 | 264.0 | 8.798 | 35.180 | 3.80 | 0.17 | 27.292 | 0.382 | 1490. | 3.0 |
| 264 | 266.0 | 8.679 | 35.175 | 3.84 | 0.17 | 27.307 | 0.383 | 1490. | 3.1 |
| 266 | 268.0 | 8.600 | 35.168 | 3.85 | 0.17 | 27.314 | 0.385 | 1489. | 3.1 |
| 268 | 270.0 | 8.557 | 35.166 | 3.86 | 0.18 | 27.319 | 0.386 | 1489. | 3.1 |
| 270 | 272.0 | 8.534 | 35.162 | 3.87 | 0.17 | 27.320 | 0.388 | 1489. | 3.2 |
| 272 | 274.0 | 8.476 | 35.158 | 3.89 | 0.17 | 27.325 | 0.390 | 1489. | 3.1 |
| 274 | 276.0 | 8.423 | 35.145 | 3.91 | 0.17 | 27.323 | 0.391 | 1489. | 3.2 |
| 276 | 278.0 | 8.259 | 35.130 | 3.94 | 0.17 | 27.337 | 0.393 | 1488. | 3.4 |
| 278 | 280.0 | 8.152 | 35.127 | 3.99 | 0.17 | 27.351 | 0.394 | 1488. | 3.6 |
| 280 | 282.1 | 8.096 | 35.122 | 4.01 | 0.17 | 27.356 | 0.396 | 1488. | 3.7 |
| 282 | 284.0 | 8.046 | 35.114 | 4.03 | 0.17 | 27.357 | 0.397 | 1487. | 4.0 |
| 284 | 286.0 | 7.906 | 35.105 | 4.07 | 0.17 | 27.371 | 0.399 | 1487. | 4.0 |
| 286 | 288.0 | 7.808 | 35.096 | 4.10 | 0.17 | 27.379 | 0.400 | 1487. | 4.0 |
| 288 | 290.0 | 7.695 | 35.088 | 4.13 | 0.17 | 27.388 | 0.402 | 1486. | 4.0 |
| 290 | 292.0 | 7.551 | 35.089 | 4.16 | 0.18 | 27.411 | 0.403 | 1486. | 4.0 |
| 292 | 294.0 | 7.509 | 35.089 | 4.18 | 0.18 | 27.417 | 0.405 | 1486. | 3.8 |
| 293 | 295.9 | 7.489 | 35.084 | 4.19 | 0.18 | 27.416 | 0.406 | 1485. | 3.6 |
| 295 | 298.0 | 7.420 | 35.080 | 4.20 | 0.18 | 27.423 | 0.407 | 1485. | 3.3 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 82 | 14 JUL 1982 | 1500 | 40°13.1'N | 68°14.2'W | 575 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYNHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 298 | 300.0 | 7.334 | 35.079 | 4.22 | 0.18 | 27.434 | 0.409 | 1485. | 2.9 |
| 300 | 302.1 | 7.280 | 35.080 | 4.24 | 0.18 | 27.443 | 0.410 | 1485. | 2.7 |
| 301 | 304.0 | 7.273 | 35.080 | 4.25 | 0.18 | 27.443 | 0.412 | 1485. | 2.5 |
| 303 | 306.0 | 7.262 | 35.080 | 4.26 | 0.18 | 27.445 | 0.413 | 1485. | 2.2 |
| 305 | 307.9 | 7.252 | 35.079 | 4.27 | 0.18 | 27.445 | 0.414 | 1485. | 1.8 |
| 307 | 310.0 | 7.247 | 35.078 | 4.28 | 0.18 | 27.445 | 0.416 | 1485. | 1.6 |
| 309 | 312.0 | 7.216 | 35.076 | 4.29 | 0.19 | 27.449 | 0.417 | 1485. | 1.7 |
| 311 | 313.9 | 7.195 | 35.076 | 4.30 | 0.19 | 27.452 | 0.418 | 1485. | 1.8 |
| 313 | 315.9 | 7.187 | 35.074 | 4.32 | 0.19 | 27.451 | 0.420 | 1485. | 2.0 |
| 315 | 318.0 | 7.158 | 35.072 | 4.33 | 0.19 | 27.454 | 0.421 | 1485. | 2.0 |
| 317 | 320.0 | 7.122 | 35.071 | 4.34 | 0.19 | 27.458 | 0.422 | 1484. | 2.2 |
| 319 | 322.0 | 7.094 | 35.068 | 4.36 | 0.19 | 27.460 | 0.424 | 1484. | 2.3 |
| 321 | 324.0 | 7.057 | 35.068 | 4.38 | 0.19 | 27.465 | 0.425 | 1484. | 2.4 |
| 323 | 325.9 | 7.032 | 35.063 | 4.39 | 0.19 | 27.464 | 0.426 | 1484. | 2.4 |
| 325 | 328.0 | 6.974 | 35.063 | 4.41 | 0.19 | 27.472 | 0.428 | 1484. | 2.3 |
| 327 | 330.0 | 6.940 | 35.062 | 4.43 | 0.19 | 27.476 | 0.429 | 1484. | 2.2 |
| 329 | 332.0 | 6.924 | 35.061 | 4.45 | 0.19 | 27.478 | 0.430 | 1484. | 2.0 |
| 331 | 334.0 | 6.909 | 35.061 | 4.47 | 0.19 | 27.480 | 0.432 | 1484. | 1.8 |
| 333 | 335.9 | 6.900 | 35.061 | 4.50 | 0.19 | 27.481 | 0.433 | 1484. | 1.3 |
| 335 | 337.9 | 6.895 | 35.061 | 4.53 | 0.19 | 27.482 | 0.434 | 1484. | 1.5 |
| 337 | 340.0 | 6.889 | 35.060 | 4.55 | 0.19 | 27.482 | 0.435 | 1484. | 2.2 |
| 339 | 342.0 | 6.883 | 35.058 | 4.55 | 0.19 | 27.481 | 0.437 | 1484. | 2.7 |
| 341 | 344.0 | 6.842 | 35.051 | 4.58 | 0.19 | 27.481 | 0.438 | 1484. | 3.2 |
| 343 | 346.0 | 6.720 | 35.045 | 4.61 | 0.19 | 27.493 | 0.439 | 1483. | 3.5 |
| 345 | 348.0 | 6.577 | 35.041 | 4.65 | 0.20 | 27.509 | 0.441 | 1483. | 3.6 |
| 347 | 350.0 | 6.495 | 35.039 | 4.66 | 0.20 | 27.519 | 0.442 | 1482. | 3.6 |
| 349 | 352.0 | 6.433 | 35.036 | 4.69 | 0.20 | 27.525 | 0.443 | 1482. | 3.4 |
| 351 | 354.0 | 6.386 | 35.036 | 4.71 | 0.20 | 27.531 | 0.444 | 1482. | 2.9 |
| 353 | 356.0 | 6.369 | 35.034 | 4.72 | 0.20 | 27.532 | 0.445 | 1482. | 2.6 |
| 355 | 358.0 | 6.340 | 35.033 | 4.75 | 0.20 | 27.535 | 0.447 | 1482. | 2.4 |
| 357 | 360.0 | 6.324 | 35.032 | 4.77 | 0.20 | 27.536 | 0.448 | 1482. | 2.2 |
| 359 | 362.0 | 6.297 | 35.029 | 4.78 | 0.20 | 27.537 | 0.449 | 1482. | 2.2 |
| 361 | 363.9 | 6.232 | 35.029 | 4.81 | 0.20 | 27.546 | 0.450 | 1482. | 2.2 |
| 363 | 366.0 | 6.213 | 35.028 | 4.82 | 0.20 | 27.548 | 0.451 | 1482. | 2.1 |
| 365 | 368.1 | 6.199 | 35.026 | 4.85 | 0.20 | 27.548 | 0.452 | 1482. | 2.2 |
| 367 | 370.0 | 6.169 | 35.025 | 4.86 | 0.20 | 27.551 | 0.454 | 1482. | 2.2 |
| 369 | 371.9 | 6.142 | 35.025 | 4.88 | 0.20 | 27.554 | 0.455 | 1481. | 2.2 |
| 371 | 374.0 | 6.120 | 35.021 | 4.90 | 0.20 | 27.554 | 0.456 | 1481. | 2.4 |
| 373 | 376.0 | 6.062 | 35.018 | 4.91 | 0.20 | 27.559 | 0.457 | 1481. | 2.5 |
| 375 | 378.0 | 6.011 | 35.018 | 4.93 | 0.20 | 27.566 | 0.458 | 1481. | 2.5 |
| 377 | 380.0 | 5.971 | 35.014 | 4.95 | 0.20 | 27.568 | 0.459 | 1481. | 2.5 |
| 379 | 382.0 | 5.927 | 35.014 | 4.97 | 0.20 | 27.574 | 0.460 | 1481. | 2.4 |
| 381 | 384.0 | 5.912 | 35.013 | 4.99 | 0.20 | 27.574 | 0.462 | 1481. | 2.3 |
| 383 | 386.0 | 5.886 | 35.011 | 5.00 | 0.20 | 27.577 | 0.463 | 1481. | 2.2 |
| 385 | 387.9 | 5.855 | 35.011 | 5.02 | 0.21 | 27.580 | 0.464 | 1481. | 2.3 |
| 387 | 390.0 | 5.832 | 35.008 | 5.02 | 0.21 | 27.581 | 0.465 | 1480. | 2.2 |
| 389 | 352.1 | 5.779 | 35.006 | 5.04 | 0.21 | 27.586 | 0.466 | 1480. | 2.2 |
| 391 | 394.0 | 5.739 | 35.005 | 5.05 | 0.21 | 27.590 | 0.467 | 1480. | 2.2 |
| 393 | 396.0 | 5.716 | 35.005 | 5.06 | 0.21 | 27.593 | 0.468 | 1480. | 2.0 |
| 395 | 398.0 | 5.700 | 35.004 | 5.07 | 0.21 | 27.594 | 0.469 | 1480. | 1.8 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 82 | 14 JUL 1982 | 1500 | 40°13.1'N | 68°14.2'W | 575 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN m$^{-1}$ | SIGT gm/cm$^3$ | DYNHT A 10m$^2$/s$^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 397 | 400.0 | 5.687 | 35.004 | 5.08 | 0.21 | 27.595 | 0.470 | 1480. | 1.7 |
| 399 | 402.0 | 5.677 | 35.004 | 5.09 | 0.21 | 27.597 | 0.471 | 1480. | 1.7 |
| 401 | 404.0 | 5.670 | 35.003 | 5.10 | 0.21 | 27.597 | 0.472 | 1480. | 1.7 |
| 403 | 406.0 | 5.653 | 35.000 | 5.10 | 0.21 | 27.596 | 0.474 | 1480. | 1.7 |
| 404 | 408.0 | 5.599 | 35.000 | 5.11 | 0.21 | 27.603 | 0.475 | 1480. | 1.7 |
| 406 | 410.0 | 5.584 | 35.000 | 5.12 | 0.21 | 27.605 | 0.476 | 1480. | 1.6 |
| 408 | 412.0 | 5.580 | 34.999 | 5.13 | 0.21 | 27.605 | 0.477 | 1480. | 1.5 |
| 410 | 414.0 | 5.576 | 34.999 | 5.13 | 0.21 | 27.606 | 0.478 | 1480. | 1.4 |
| 412 | 416.0 | 5.569 | 34.999 | 5.15 | 0.21 | 27.606 | 0.479 | 1480. | 1.2 |
| 414 | 418.0 | 5.559 | 34.999 | 5.15 | 0.21 | 27.607 | 0.480 | 1480. | 1.2 |
| 416 | 420.0 | 5.554 | 34.997 | 5.15 | 0.21 | 27.607 | 0.481 | 1480. | 1.2 |
| 418 | 422.0 | 5.525 | 34.997 | 5.18 | 0.21 | 27.610 | 0.482 | 1480. | 1.1 |
| 420 | 424.0 | 5.523 | 34.998 | 5.18 | 0.21 | 27.611 | 0.483 | 1480. | 1.0 |
| 422 | 426.0 | 5.528 | 34.997 | 5.17 | 0.21 | 27.610 | 0.484 | 1480. | 1.1 |
| 424 | 428.0 | 5.528 | 34.998 | 5.20 | 0.21 | 27.610 | 0.485 | 1480. | 1.5 |
| 426 | 430.0 | 5.526 | 34.997 | 5.21 | 0.21 | 27.610 | 0.486 | 1480. | 1.7 |
| 428 | 432.0 | 5.500 | 34.993 | 5.19 | 0.21 | 27.610 | 0.487 | 1480. | 1.8 |
| 430 | 434.0 | 5.442 | 34.990 | 5.22 | 0.21 | 27.615 | 0.488 | 1480. | 1.9 |
| 432 | 436.0 | 5.386 | 34.992 | 5.23 | 0.22 | 27.623 | 0.489 | 1479. | 2.0 |
| 434 | 438.0 | 5.384 | 34.990 | 5.23 | 0.22 | 27.622 | 0.490 | 1479. | 1.9 |
| 436 | 440.0 | 5.379 | 34.990 | 5.23 | 0.22 | 27.622 | 0.491 | 1479. | 1.7 |
| 438 | 441.9 | 5.368 | 34.989 | 5.24 | 0.21 | 27.623 | 0.492 | 1479. | 1.3 |
| 440 | 444.0 | 5.355 | 34.989 | 5.24 | 0.22 | 27.625 | 0.493 | 1479. | 1.0 |
| 442 | 446.0 | 5.355 | 34.989 | 5.25 | 0.22 | 27.625 | 0.494 | 1479. | 1.0 |
| 444 | 448.0 | 5.349 | 34.989 | 5.25 | 0.22 | 27.625 | 0.495 | 1479. | 0.9 |
| 446 | 450.0 | 5.344 | 34.989 | 5.27 | 0.22 | 27.626 | 0.496 | 1479. | 0.8 |
| 448 | 452.0 | 5.342 | 34.988 | 5.27 | 0.22 | 27.626 | 0.498 | 1480. | 0.7 |
| 450 | 454.0 | 5.339 | 34.988 | 5.28 | 0.22 | 27.626 | 0.499 | 1480. | 0.6 |
| 452 | 456.0 | 5.336 | 34.988 | 5.28 | 0.22 | 27.626 | 0.500 | 1480. | 1.1 |
| 454 | 458.0 | 5.335 | 34.988 | 5.29 | 0.22 | 27.626 | 0.501 | 1480. | 1.4 |
| 456 | 460.0 | 5.324 | 34.987 | 5.29 | 0.22 | 27.627 | 0.502 | 1480. | 1.6 |
| 458 | 462.0 | 5.312 | 34.984 | 5.29 | 0.22 | 27.625 | 0.503 | 1480. | 1.7 |
| 460 | 464.1 | 5.249 | 34.984 | 5.31 | 0.22 | 27.633 | 0.504 | 1479. | 1.8 |
| 462 | 466.0 | 5.215 | 34.983 | 5.32 | 0.22 | 27.636 | 0.505 | 1479. | 1.7 |
| 464 | 467.9 | 5.213 | 34.982 | 5.32 | 0.22 | 27.636 | 0.506 | 1479. | 1.6 |
| 466 | 469.9 | 5.207 | 34.983 | 5.33 | 0.22 | 27.637 | 0.507 | 1479. | 1.5 |
| 468 | 471.9 | 5.209 | 34.982 | 5.33 | 0.22 | 27.636 | 0.508 | 1479. | 1.1 |
| 470 | 474.0 | 5.192 | 34.981 | 5.32 | 0.22 | 27.638 | 0.509 | 1479. | 0.9 |
| 472 | 476.0 | 5.189 | 34.981 | 5.32 | 0.22 | 27.638 | 0.510 | 1479. | 0.8 |
| 474 | 478.0 | 5.184 | 34.981 | 5.33 | 0.22 | 27.639 | 0.511 | 1479. | 0.6 |
| 476 | 480.0 | 5.173 | 34.981 | 5.34 | 0.22 | 27.640 | 0.512 | 1479. | 0.6 |
| 478 | 482.0 | 5.177 | 34.981 | 5.35 | 0.22 | 27.640 | 0.513 | 1479. | 0.3 |
| 480 | 484.0 | 5.194 | 34.982 | 5.35 | 0.22 | 27.638 | 0.514 | 1479. | -0.2 |
| 482 | 486.0 | 5.193 | 34.981 | 5.35 | 0.22 | 27.638 | 0.515 | 1479. | -0.3 |
| 484 | 488.0 | 5.187 | 34.981 | 5.35 | 0.22 | 27.639 | 0.516 | 1479. | -0.3 |
| 486 | 490.0 | 5.185 | 34.981 | 5.36 | 0.22 | 27.639 | 0.517 | 1479. | 0.6 |
| 488 | 492.0 | 5.187 | 34.981 | 5.37 | 0.22 | 27.638 | 0.518 | 1480. | 1.1 |
| 490 | 494.0 | 5.179 | 34.981 | 5.37 | 0.22 | 27.639 | 0.519 | 1480. | 1.3 |
| 492 | 496.0 | 5.172 | 34.979 | 5.38 | 0.22 | 27.639 | 0.520 | 1480. | 1.4 |
| 494 | 498.0 | 5.151 | 34.979 | 5.38 | 0.22 | 27.641 | 0.521 | 1479. | 1.6 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 82 | 14 JUL 1982 | 1500 | 40°13.1'N | 68°14.2'W | 575 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYNT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 496 | 500.0 | 5.108 | 34.978 | 5.40 | 0.22 | 27.646 | 0.522 | 1479. | 1.7 |
| 515 | 520.0 | 5.012 | 34.975 | 5.38 | 0.23 | 27.655 | 0.532 | 1479. | -0.5 |

STA 83 DAY: 14 TIME: 1709

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|---|---|
| 1.0 | 22.6 | 29.2 | 16.9 | 64.1 | 12.9 | 124.9 | 12.8 | 187.2 | 11.3 |
| 1.0 | 22.3 | 29.2 | 16.8 | 67.0 | 12.9 | 126.8 | 12.8 | 188.1 | 11.3 |
| 1.0 | 22.1 | 29.2 | 16.6 | 68.0 | 12.9 | 127.8 | 12.8 | 190.1 | 11.3 |
| 1.0 | 21.9 | 30.2 | 16.5 | 69.9 | 12.9 | 128.7 | 12.8 | 192.0 | 11.2 |
| 1.0 | 21.8 | 30.2 | 16.3 | 71.9 | 12.9 | 129.7 | 12.8 | 192.9 | 11.2 |
| 1.9 | 21.7 | 30.2 | 16.2 | 73.8 | 12.9 | 130.7 | 12.7 | 193.9 | 11.2 |
| 1.9 | 21.5 | 30.2 | 16.1 | 74.8 | 12.9 | 130.7 | 12.7 | 194.8 | 11.2 |
| 2.9 | 21.3 | 30.2 | 16.0 | 75.7 | 13.0 | 131.6 | 12.7 | 195.8 | 11.2 |
| 2.9 | 21.0 | 30.2 | 15.8 | 76.7 | 13.0 | 132.6 | 12.6 | 196.7 | 11.1 |
| 2.9 | 20.8 | 31.1 | 15.7 | 77.7 | 13.0 | 134.5 | 12.6 | 197.7 | 11.1 |
| 3.9 | 20.6 | 31.1 | 15.6 | 79.6 | 13.0 | 135.5 | 12.5 | 197.7 | 11.1 |
| 3.9 | 20.3 | 31.1 | 15.4 | 80.6 | 13.0 | 136.4 | 12.5 | 198.6 | 11.0 |
| 4.9 | 20.1 | 32.1 | 15.3 | 81.5 | 13.0 | 137.4 | 12.5 | 199.6 | 11.0 |
| 5.8 | 19.9 | 33.1 | 15.2 | 82.5 | 12.9 | 138.3 | 12.4 | 200.5 | 10.9 |
| 5.8 | 19.7 | 33.1 | 15.1 | 82.5 | 12.9 | 140.3 | 12.4 | 201.5 | 10.9 |
| 5.8 | 19.5 | 33.1 | 15.0 | 84.4 | 12.9 | 141.2 | 12.4 | 202.5 | 10.8 |
| 6.8 | 19.4 | 35.0 | 14.9 | 86.4 | 12.9 | 142.2 | 12.3 | 203.4 | 10.8 |
| 6.8 | 19.2 | 35.0 | 14.8 | 86.4 | 12.9 | 143.1 | 12.2 | 203.4 | 10.7 |
| 6.8 | 19.0 | 36.0 | 14.7 | 87.3 | 12.9 | 144.1 | 12.2 | 204.4 | 10.7 |
| 7.8 | 18.9 | 36.0 | 14.7 | 89.2 | 12.9 | 145.1 | 12.2 | 205.3 | 10.7 |
| 7.8 | 18.8 | 36.0 | 14.5 | 90.2 | 12.9 | 146.0 | 12.1 | 207.2 | 10.7 |
| 7.8 | 18.7 | 37.0 | 14.5 | 92.1 | 12.9 | 147.9 | 12.1 | 207.2 | 10.6 |
| 8.8 | 18.7 | 37.0 | 14.3 | 93.1 | 12.9 | 148.9 | 12.1 | 208.2 | 10.6 |
| 9.7 | 18.6 | 37.9 | 14.2 | 95.0 | 12.9 | 150.8 | 12.1 | 208.2 | 10.5 |
| 10.7 | 18.5 | 37.9 | 14.1 | 95.0 | 12.9 | 152.7 | 12.1 | 211.0 | 10.5 |
| 10.7 | 18.5 | 38.9 | 13.9 | 96.0 | 12.9 | 154.7 | 12.1 | 212.0 | 10.5 |
| 11.7 | 18.4 | 38.9 | 13.8 | 97.0 | 12.9 | 157.5 | 12.1 | 214.8 | 10.5 |
| 11.7 | 18.3 | 38.9 | 13.6 | 97.9 | 13.0 | 160.4 | 12.0 | 218.6 | 10.5 |
| 12.7 | 18.2 | 38.9 | 13.4 | 98.9 | 13.0 | 163.3 | 12.0 | 219.6 | 10.5 |
| 12.7 | 18.2 | 38.9 | 13.3 | 99.9 | 13.0 | 166.2 | 11.9 | 221.5 | 10.4 |
| 14.6 | 18.2 | 38.9 | 13.2 | 100.8 | 13.0 | 168.1 | 11.9 | 222.4 | 10.4 |
| 15.6 | 18.2 | 38.9 | 13.1 | 101.8 | 13.1 | 170.9 | 11.9 | 224.4 | 10.4 |
| 16.6 | 18.2 | 38.9 | 13.0 | 102.8 | 13.1 | 170.9 | 11.9 | 226.3 | 10.4 |
| 17.5 | 18.1 | 39.9 | 13.0 | 103.7 | 13.1 | 171.9 | 11.9 | 228.2 | 10.4 |
| 18.5 | 18.1 | 41.8 | 13.0 | 105.6 | 13.0 | 172.9 | 11.8 | 229.1 | 10.3 |
| 19.5 | 18.1 | 43.8 | 13.0 | 106.6 | 13.0 | 172.9 | 11.8 | 230.1 | 10.3 |
| 21.4 | 18.0 | 44.7 | 13.0 | 106.6 | 13.0 | 174.8 | 11.7 | 232.0 | 10.3 |
| 23.4 | 18.0 | 45.7 | 13.0 | 108.5 | 12.9 | 175.7 | 11.7 | 232.9 | 10.3 |
| 24.3 | 18.0 | 48.6 | 13.0 | 108.5 | 12.9 | 176.7 | 11.7 | 233.9 | 10.2 |
| 24.3 | 17.9 | 49.6 | 13.0 | 109.5 | 12.9 | 176.7 | 11.6 | 234.8 | 10.1 |
| 24.3 | 17.8 | 50.6 | 13.0 | 111.4 | 12.9 | 177.6 | 11.6 | 235.8 | 10.0 |
| 25.3 | 17.7 | 50.6 | 13.0 | 112.4 | 12.9 | 178.6 | 11.5 | 236.7 | 10.0 |
| 25.3 | 17.6 | 51.5 | 12.9 | 114.3 | 12.8 | 180.5 | 11.5 | 236.7 | 9.9 |
| 25.3 | 17.4 | 52.5 | 12.9 | 115.3 | 12.8 | 181.5 | 11.5 | 237.7 | 9.9 |
| 25.3 | 17.4 | 54.4 | 12.8 | 115.3 | 12.8 | 182.4 | 11.5 | 237.7 | 9.8 |
| 26.3 | 17.3 | 55.4 | 12.8 | 117.2 | 12.8 | 183.4 | 11.5 | 238.6 | 9.7 |
| 26.3 | 17.2 | 57.3 | 12.8 | 118.2 | 12.8 | 184.3 | 11.4 | 238.6 | 9.7 |
| 27.3 | 17.2 | 59.3 | 12.8 | 120.1 | 12.8 | 185.3 | 11.4 | 239.6 | 9.5 |
|  |  | 60.2 | 12.9 | 122.0 | 12.8 | 186.2 | 11.4 | 239.6 | 9.5 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 84 | 14 JUL 1982 | 1637 | 40°17.2'N | 68°17.6'W | 175 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 1.8 | 21.347 | 34.824 | 5.16 | 0.34 | 24.266 | 0.000 | 1525. | 16.7 |
| 4 | 3.9 | 20.698 | 34.842 | 5.36 | 0.37 | 24.457 | 0.007 | 1523. | 16.7 |
| 6 | 6.1 | 19.713 | 34.755 | 5.61 | 0.37 | 24.651 | 0.015 | 1520. | 16.7 |
| 8 | 7.9 | 18.353 | 34.724 | 5.83 | 0.42 | 24.974 | 0.020 | 1517. | 16.7 |
| 10 | 10.1 | 17.839 | 34.846 | 5.96 | 0.45 | 25.195 | 0.027 | 1515. | 16.7 |
| 12 | 12.0 | 17.894 | 35.042 | 6.02 | 0.42 | 25.331 | 0.032 | 1516. | 15.7 |
| 14 | 14.0 | 17.847 | 35.146 | 5.99 | 0.39 | 25.422 | 0.037 | 1516. | 14.4 |
| 16 | 16.0 | 17.533 | 35.231 | 5.99 | 0.39 | 25.564 | 0.042 | 1515. | 12.7 |
| 18 | 17.9 | 17.548 | 35.291 | 5.97 | 0.37 | 25.607 | 0.047 | 1515. | 11.9 |
| 20 | 20.0 | 17.390 | 35.415 | 5.90 | 0.37 | 25.740 | 0.051 | 1515. | 11.4 |
| 22 | 22.0 | 17.372 | 35.444 | 5.79 | 0.38 | 25.767 | 0.056 | 1515. | 10.9 |
| 24 | 24.0 | 17.116 | 35.454 | 5.76 | 0.37 | 25.836 | 0.060 | 1514. | 10.2 |
| 26 | 25.9 | 16.578 | 35.425 | 5.77 | 0.34 | 25.941 | 0.064 | 1512. | 9.6 |
| 28 | 28.0 | 16.223 | 35.395 | 5.61 | 0.29 | 26.001 | 0.069 | 1511. | 8.7 |
| 30 | 29.9 | 16.012 | 35.367 | 5.44 | 0.27 | 26.028 | 0.072 | 1511. | 8.1 |
| 32 | 32.0 | 15.748 | 35.333 | 5.33 | 0.25 | 26.062 | 0.077 | 1510. | 7.5 |
| 34 | 34.1 | 15.611 | 35.312 | 5.25 | 0.24 | 26.077 | 0.081 | 1510. | 7.2 |
| 36 | 35.9 | 15.486 | 35.290 | 5.22 | 0.24 | 26.089 | 0.084 | 1509. | 7.3 |
| 38 | 38.1 | 15.017 | 35.196 | 5.24 | 0.22 | 26.120 | 0.088 | 1508. | 7.4 |
| 40 | 39.9 | 14.197 | 35.046 | 5.35 | 0.19 | 26.182 | 0.092 | 1505. | 7.2 |
| 42 | 42.0 | 13.946 | 35.063 | 5.25 | 0.17 | 26.248 | 0.095 | 1504. | 7.0 |
| 44 | 44.0 | 13.792 | 35.044 | 5.16 | 0.16 | 26.265 | 0.099 | 1504. | 6.6 |
| 46 | 46.0 | 13.713 | 35.040 | 5.12 | 0.16 | 26.279 | 0.102 | 1503. | 5.9 |
| 48 | 48.0 | 13.691 | 35.039 | 5.08 | 0.16 | 26.282 | 0.106 | 1503. | 5.1 |
| 50 | 50.1 | 13.562 | 35.017 | 5.08 | 0.16 | 26.292 | 0.110 | 1503. | 4.6 |
| 51 | 51.9 | 13.421 | 34.999 | 5.10 | 0.16 | 26.307 | 0.113 | 1502. | 4.7 |
| 54 | 54.0 | 13.287 | 34.990 | 5.09 | 0.16 | 26.328 | 0.116 | 1502. | 4.9 |
| 56 | 56.0 | 13.228 | 34.998 | 5.09 | 0.15 | 26.346 | 0.120 | 1502. | 4.9 |
| 58 | 58.0 | 13.190 | 35.001 | 5.08 | 0.15 | 26.356 | 0.123 | 1502. | 4.7 |
| 60 | 60.0 | 13.159 | 35.017 | 5.06 | 0.15 | 26.375 | 0.126 | 1502. | 4.4 |
| 62 | 62.0 | 13.086 | 35.018 | 5.03 | 0.15 | 26.390 | 0.130 | 1502. | 4.0 |
| 64 | 64.0 | 13.033 | 35.010 | 5.01 | 0.15 | 26.395 | 0.133 | 1501. | 4.1 |
| 65 | 66.0 | 13.012 | 35.010 | 5.00 | 0.15 | 26.399 | 0.136 | 1501. | 4.4 |
| 67 | 68.0 | 12.966 | 35.002 | 4.98 | 0.15 | 26.402 | 0.139 | 1501. | 5.0 |
| 69 | 70.0 | 12.884 | 34.993 | 5.01 | 0.14 | 26.412 | 0.143 | 1501. | 5.5 |
| 71 | 71.9 | 12.901 | 35.039 | 4.99 | 0.15 | 26.443 | 0.146 | 1501. | 6.0 |
| 73 | 74.0 | 13.010 | 35.107 | 4.93 | 0.14 | 26.474 | 0.149 | 1502. | 6.3 |
| 75 | 76.0 | 13.099 | 35.188 | 4.90 | 0.13 | 26.519 | 0.152 | 1502. | 6.3 |
| 77 | 78.0 | 12.967 | 35.174 | 4.92 | 0.15 | 26.535 | 0.155 | 1502. | 6.0 |
| 79 | 80.0 | 12.896 | 35.190 | 4.89 | 0.16 | 26.562 | 0.158 | 1501. | 5.4 |
| 81 | 82.0 | 13.082 | 35.257 | 4.80 | 0.14 | 26.576 | 0.161 | 1502. | 4.7 |
| 83 | 84.0 | 13.201 | 35.293 | 4.76 | 0.13 | 26.580 | 0.164 | 1503. | 3.8 |
| 85 | 86.0 | 13.233 | 35.316 | 4.73 | 0.12 | 26.591 | 0.167 | 1503. | 3.6 |
| 87 | 88.0 | 13.058 | 35.276 | 4.77 | 0.13 | 26.596 | 0.170 | 1502. | 3.5 |
| 89 | 90.0 | 13.001 | 35.256 | 4.77 | 0.14 | 26.592 | 0.173 | 1502. | 3.6 |
| 91 | 92.1 | 12.881 | 35.230 | 4.76 | 0.15 | 26.596 | 0.176 | 1502. | 4.0 |
| 93 | 94.0 | 12.898 | 35.268 | 4.73 | 0.16 | 26.622 | 0.179 | 1502. | 4.2 |
| 95 | 95.9 | 12.977 | 35.303 | 4.69 | 0.15 | 26.633 | 0.181 | 1502. | 4.3 |
| 97 | 98.0 | 13.004 | 35.324 | 4.65 | 0.14 | 26.644 | 0.184 | 1502. | 4.4 |
| 99 | 100.0 | 12.945 | 35.336 | 4.65 | 0.14 | 26.665 | 0.187 | 1502. | 4.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 84 | 14 JUL 1982 | 1637 | 40°17.2'N | 68°17.6'W | 175 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/1 | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 101 | 102.0 | 12.922 | 35.335 | 4.65 | 0.14 | 26.669 | 0.190 | 1502. | 4.4 |
| 103 | 104.0 | 12.915 | 35.338 | 4.64 | 0.14 | 26.672 | 0.193 | 1502. | 4.7 |
| 105 | 106.0 | 12.909 | 35.354 | 4.61 | 0.14 | 26.686 | 0.195 | 1502. | 5.1 |
| 107 | 108.0 | 12.887 | 35.370 | 4.60 | 0.13 | 26.703 | 0.198 | 1502. | 5.4 |
| 109 | 110.0 | 12.806 | 35.379 | 4.58 | 0.14 | 26.726 | 0.201 | 1502. | 5.8 |
| 111 | 112.0 | 12.732 | 35.400 | 4.57 | 0.14 | 26.757 | 0.204 | 1502. | 6.1 |
| 113 | 114.0 | 12.722 | 35.431 | 4.53 | 0.12 | 26.783 | 0.206 | 1502. | 6.3 |
| 115 | 116.0 | 12.693 | 35.442 | 4.52 | 0.11 | 26.798 | 0.209 | 1502. | 6.2 |
| 117 | 118.1 | 12.576 | 35.456 | 4.51 | 0.11 | 26.832 | 0.211 | 1501. | 5.9 |
| 119 | 119.9 | 12.494 | 35.468 | 4.51 | 0.10 | 26.858 | 0.214 | 1501. | 5.5 |
| 121 | 122.0 | 12.505 | 35.500 | 4.43 | 0.10 | 26.880 | 0.216 | 1501. | 5.1 |
| 123 | 124.0 | 12.518 | 35.512 | 4.37 | 0.10 | 26.887 | 0.218 | 1501. | 4.6 |
| 125 | 126.0 | 12.508 | 35.522 | 4.32 | 0.10 | 26.896 | 0.221 | 1501. | 4.1 |
| 127 | 128.1 | 12.488 | 35.520 | 4.26 | 0.10 | 26.899 | 0.223 | 1501. | 3.6 |
| 129 | 130.0 | 12.403 | 35.515 | 4.23 | 0.10 | 26.911 | 0.226 | 1501. | 3.4 |
| 131 | 132.0 | 12.351 | 35.507 | 4.20 | 0.10 | 26.916 | 0.228 | 1501. | 3.4 |
| 133 | 134.1 | 12.265 | 35.497 | 4.16 | 0.10 | 26.925 | 0.230 | 1501. | 3.5 |
| 135 | 136.0 | 12.223 | 35.492 | 4.14 | 0.10 | 26.929 | 0.232 | 1500. | 3.6 |
| 137 | 138.0 | 12.150 | 35.485 | 4.13 | 0.10 | 26.938 | 0.235 | 1500. | 3.6 |
| 139 | 140.0 | 12.105 | 35.481 | 4.10 | 0.10 | 26.943 | 0.237 | 1500. | 3.7 |
| 141 | 142.1 | 11.957 | 35.462 | 4.11 | 0.10 | 26.957 | 0.239 | 1500. | 3.6 |
| 143 | 144.0 | 11.901 | 35.463 | 4.09 | 0.10 | 26.968 | 0.241 | 1499. | 3.6 |
| 145 | 146.0 | 11.870 | 35.463 | 4.03 | 0.10 | 26.974 | 0.244 | 1499. | 3.4 |
| 147 | 148.1 | 11.832 | 35.461 | 4.00 | 0.10 | 26.980 | 0.246 | 1499. | 3.4 |
| 149 | 150.1 | 11.799 | 35.458 | 3.98 | 0.10 | 26.984 | 0.248 | 1499. | 3.3 |
| 151 | 152.0 | 11.764 | 35.456 | 3.97 | 0.10 | 26.989 | 0.250 | 1499. | 3.3 |
| 153 | 154.0 | 11.727 | 35.455 | 3.94 | 0.10 | 26.995 | 0.253 | 1499. | 3.5 |
| 155 | 156.1 | 11.633 | 35.448 | 3.92 | 0.10 | 27.008 | 0.255 | 1499. | 3.7 |
| 157 | 158.0 | 11.596 | 35.447 | 3.91 | 0.10 | 27.014 | 0.257 | 1499. | 4.0 |
| 159 | 160.1 | 11.522 | 35.441 | 3.89 | 0.10 | 27.023 | 0.259 | 1498. | 4.3 |
| 160 | 161.3 | 11.402 | 35.427 | 3.88 | 0.10 | 27.035 | 0.260 | 1498. | 4.6 |
| 161 | 162.0 | 11.370 | 35.425 | 3.86 | 0.10 | 27.039 | 0.261 | 1498. | 4.8 |
| 162 | 163.0 | 11.260 | 35.412 | 3.86 | 0.10 | 27.050 | 0.262 | 1497. | 5.0 |
| 163 | 164.0 | 11.175 | 35.405 | 3.85 | 0.11 | 27.060 | 0.263 | 1497. | 5.0 |
| 164 | 165.0 | 11.119 | 35.402 | 3.83 | 0.11 | 27.067 | 0.264 | 1497. | 5.0 |
| 165 | 166.1 | 11.064 | 35.396 | 3.80 | 0.11 | 27.073 | 0.265 | 1497. | 5.0 |
| 166 | 167.1 | 11.045 | 35.399 | 3.78 | 0.11 | 27.078 | 0.266 | 1497. | 5.0 |
| 166 | 167.6 | 11.038 | 35.399 | 3.77 | 0.11 | 27.080 | 0.267 | 1497. | 5.0 |

STA 85 DAY: 14 TIME: 1823

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|
| 1.0 | 22.9 | 27.3 | 17.3 | 56.4 | 12.6 | 129.7 | 12.0 |
| 1.0 | 22.6 | 28.2 | 17.2 | 58.3 | 12.5 | 131.6 | 12.0 |
| 1.9 | 22.3 | 30.2 | 17.2 | 59.3 | 12.5 | 132.6 | 12.0 |
| 1.0 | 22.2 | 31.1 | 17.1 | 61.2 | 12.5 | 135.5 | 12.0 |
| 1.9 | 22.2 | 33.1 | 17.0 | 63.1 | 12.4 | 137.4 | 12.0 |
| 2.9 | 22.0 | 34.1 | 17.0 | 66.0 | 12.4 | 139.3 | 12.0 |
| 3.9 | 21.8 | 34.1 | 16.9 | 68.0 | 12.4 | 141.2 | 12.0 |
| 2.9 | 21.7 | 36.0 | 16.8 | 69.9 | 12.4 | 142.2 | 12.0 |
| 3.9 | 21.4 | 36.0 | 16.8 | 70.9 | 12.4 | 143.1 | 12.0 |
| 3.9 | 21.3 | 37.0 | 16.7 | 71.9 | 12.3 | | |
| 3.9 | 21.1 | 37.9 | 16.6 | 73.8 | 12.3 | | |
| 3.9 | 21.0 | 37.9 | 16.5 | 74.8 | 12.3 | | |
| 4.9 | 20.9 | 38.9 | 16.5 | 75.7 | 12.3 | | |
| 5.8 | 20.8 | 38.9 | 16.4 | 76.7 | 12.3 | | |
| 5.8 | 20.6 | 39.9 | 16.3 | 78.6 | 12.3 | | |
| 6.8 | 20.5 | 40.9 | 16.3 | 79.6 | 12.3 | | |
| 6.8 | 20.3 | 40.9 | 16.2 | 80.6 | 12.3 | | |
| 6.8 | 20.2 | 41.8 | 16.1 | 80.6 | 12.3 | | |
| 6.8 | 20.0 | 41.8 | 16.1 | 81.5 | 12.4 | | |
| 6.8 | 19.9 | 41.8 | 15.9 | 81.5 | 12.4 | | |
| 8.8 | 19.8 | 42.8 | 15.9 | 83.5 | 12.5 | | |
| 8.8 | 19.7 | 43.8 | 15.8 | 84.4 | 12.5 | | |
| 8.8 | 19.6 | 43.8 | 15.7 | 84.4 | 12.5 | | |
| 9.7 | 19.5 | 43.8 | 15.6 | 85.4 | 12.6 | | |
| 9.7 | 19.3 | 43.8 | 15.5 | 86.4 | 12.5 | | |
| 10.7 | 19.2 | 44.7 | 15.4 | 87.3 | 12.5 | | |
| 10.7 | 19.1 | 45.7 | 15.3 | 89.2 | 12.5 | | |
| 10.7 | 19.0 | 45.7 | 15.2 | 91.2 | 12.5 | | |
| 11.7 | 18.8 | 45.7 | 15.1 | 92.1 | 12.4 | | |
| 11.7 | 18.8 | 46.7 | 14.8 | 94.1 | 12.4 | | |
| 12.7 | 18.7 | 46.7 | 14.6 | 95.0 | 12.4 | | |
| 13.6 | 18.7 | 47.6 | 14.5 | 95.0 | 12.3 | | |
| 14.6 | 18.6 | 47.6 | 14.4 | 96.0 | 12.3 | | |
| 15.6 | 18.5 | 47.6 | 14.2 | 97.9 | 12.3 | | |
| 15.6 | 18.4 | 48.6 | 14.1 | 99.9 | 12.3 | | |
| 16.6 | 18.3 | 48.6 | 14.0 | 101.8 | 12.3 | | |
| 16.6 | 18.2 | 49.6 | 13.9 | 102.8 | 12.3 | | |
| 16.6 | 18.2 | 49.6 | 13.8 | 104.7 | 12.2 | | |
| 18.5 | 18.2 | 50.6 | 13.7 | 105.6 | 12.2 | | |
| 19.5 | 18.2 | 50.6 | 13.6 | 107.6 | 12.2 | | |
| 21.4 | 18.2 | 51.5 | 13.5 | 108.5 | 12.1 | | |
| 23.4 | 18.2 | 51.5 | 13.4 | 108.5 | 12.1 | | |
| 24.3 | 18.1 | 52.5 | 13.3 | 110.5 | 12.0 | | |
| 24.3 | 18.1 | 52.5 | 13.2 | 112.4 | 12.0 | | |
| 25.3 | 17.9 | 53.5 | 13.1 | 114.3 | 12.0 | | |
| 26.3 | 17.8 | 54.4 | 13.1 | 117.2 | 12.0 | | |
| 26.3 | 17.7 | 54.4 | 13.0 | 120.1 | 12.0 | | |
| 26.3 | 17.5 | 55.4 | 12.8 | 123.0 | 12.0 | | |
| 26.3 | 17.5 | 55.4 | 12.8 | 123.9 | 12.0 | | |
| 27.3 | 17.3 | 56.4 | 12.7 | 127.8 | 12.0 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 86 | 14 JUL 1982 | 1750 | 40°22.1'N | 68°20.8'W | 117 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.1 | 22.051 | 35.061 | 5.12 | 0.26 | 24.251 | 0.000 | 1527. | 15.5 |
| 4 | 4.0 | 22.052 | 35.061 | 5.22 | 0.26 | 24.251 | 0.007 | 1527. | 15.5 |
| 6 | 6.0 | 21.166 | 34.984 | 5.41 | 0.26 | 24.438 | 0.014 | 1525. | 15.5 |
| 8 | 7.9 | 20.327 | 34.982 | 5.53 | 0.27 | 24.663 | 0.021 | 1522. | 15.5 |
| 10 | 10.0 | 20.113 | 35.177 | 5.59 | 0.29 | 24.868 | 0.027 | 1522. | 15.5 |
| 12 | 12.0 | 20.157 | 35.458 | 5.53 | 0.29 | 25.071 | 0.033 | 1523. | 15.0 |
| 14 | 14.0 | 19.995 | 35.469 | 5.56 | 0.29 | 25.122 | 0.039 | 1522. | 13.5 |
| 16 | 16.0 | 19.605 | 35.476 | 5.63 | 0.30 | 25.230 | 0.044 | 1521. | 11.8 |
| 18 | 18.1 | 19.217 | 35.492 | 5.69 | 0.30 | 25.342 | 0.050 | 1520. | 10.4 |
| 20 | 20.0 | 19.174 | 35.497 | 5.58 | 0.30 | 25.357 | 0.055 | 1520. | 9.8 |
| 22 | 22.0 | 19.141 | 35.496 | 5.54 | 0.30 | 25.365 | 0.060 | 1520. | 9.8 |
| 24 | 23.9 | 18.996 | 35.495 | 5.61 | 0.30 | 25.402 | 0.065 | 1520. | 9.7 |
| 26 | 26.0 | 18.619 | 35.496 | 5.69 | 0.30 | 25.498 | 0.070 | 1519. | 9.9 |
| 28 | 28.1 | 18.191 | 35.497 | 5.69 | 0.31 | 25.606 | 0.075 | 1517. | 10.4 |
| 30 | 29.8 | 17.934 | 35.483 | 5.56 | 0.33 | 25.659 | 0.080 | 1517. | 10.7 |
| 32 | 32.0 | 17.698 | 35.501 | 5.53 | 0.34 | 25.731 | 0.085 | 1516. | 10.7 |
| 34 | 33.9 | 17.576 | 35.532 | 5.53 | 0.34 | 25.785 | 0.089 | 1516. | 10.8 |
| 36 | 36.0 | 17.400 | 35.580 | 5.40 | 0.34 | 25.865 | 0.093 | 1515. | 10.8 |
| 38 | 38.0 | 17.098 | 35.561 | 5.33 | 0.31 | 25.923 | 0.098 | 1514. | 11.0 |
| 40 | 39.9 | 16.688 | 35.552 | 5.25 | 0.27 | 26.013 | 0.102 | 1513. | 10.9 |
| 42 | 42.0 | 16.271 | 35.590 | 5.19 | 0.20 | 26.140 | 0.106 | 1512. | 10.5 |
| 44 | 44.0 | 16.052 | 35.577 | 4.96 | 0.18 | 26.180 | 0.109 | 1511. | 9.8 |
| 46 | 45.9 | 15.473 | 35.502 | 4.89 | 0.17 | 26.255 | 0.113 | 1509. | 8.9 |
| 48 | 48.0 | 15.007 | 35.422 | 4.80 | 0.16 | 26.297 | 0.116 | 1508. | 7.7 |
| 50 | 50.0 | 14.929 | 35.412 | 4.77 | 0.16 | 26.306 | 0.120 | 1508. | 6.7 |
| 52 | 52.0 | 14.800 | 35.389 | 4.70 | 0.16 | 26.316 | 0.123 | 1507. | 6.3 |
| 54 | 54.0 | 14.509 | 35.323 | 4.69 | 0.15 | 26.329 | 0.127 | 1506. | 6.0 |
| 56 | 56.0 | 13.891 | 35.189 | 4.81 | 0.15 | 26.357 | 0.130 | 1504. | 6.1 |
| 58 | 58.0 | 13.535 | 35.137 | 4.86 | 0.15 | 26.391 | 0.133 | 1503. | 6.5 |
| 60 | 60.0 | 13.213 | 35.090 | 4.90 | 0.16 | 26.420 | 0.137 | 1502. | 6.7 |
| 62 | 62.0 | 12.868 | 35.034 | 4.99 | 0.16 | 26.446 | 0.140 | 1501. | 6.8 |
| 63 | 63.9 | 12.728 | 35.029 | 4.97 | 0.16 | 26.470 | 0.143 | 1500. | 6.5 |
| 65 | 66.0 | 12.722 | 35.077 | 4.86 | 0.15 | 26.509 | 0.146 | 1500. | 6.1 |
| 67 | 68.0 | 12.769 | 35.126 | 4.83 | 0.14 | 26.537 | 0.149 | 1501. | 5.7 |
| 69 | 70.0 | 12.762 | 35.146 | 4.84 | 0.13 | 26.554 | 0.152 | 1501. | 5.7 |
| 71 | 71.9 | 12.768 | 35.151 | 4.85 | 0.13 | 26.557 | 0.155 | 1501. | 6.0 |
| 73 | 74.0 | 12.776 | 35.161 | 4.83 | 0.13 | 26.563 | 0.158 | 1501. | 6.6 |
| 75 | 76.0 | 12.793 | 35.187 | 4.79 | 0.13 | 26.580 | 0.161 | 1501. | 7.3 |
| 77 | 78.1 | 12.725 | 35.248 | 4.78 | 0.13 | 26.641 | 0.164 | 1501. | 7.7 |
| 79 | 80.0 | 12.443 | 35.244 | 4.76 | 0.14 | 26.693 | 0.167 | 1500. | 7.8 |
| 81 | 82.0 | 12.313 | 35.295 | 4.58 | 0.15 | 26.759 | 0.169 | 1500. | 7.5 |
| 83 | 84.0 | 12.335 | 35.362 | 4.46 | 0.17 | 26.806 | 0.172 | 1500. | 6.7 |
| 85 | 86.1 | 12.344 | 35.369 | 4.42 | 0.18 | 26.810 | 0.174 | 1500. | 5.5 |
| 87 | 87.9 | 12.345 | 35.370 | 4.38 | 0.18 | 26.810 | 0.177 | 1500. | 4.1 |
| 89 | 90.0 | 12.343 | 35.369 | 4.30 | 0.18 | 26.810 | 0.179 | 1500. | 2.4 |
| 91 | 92.1 | 12.340 | 35.368 | 4.25 | 0.18 | 26.810 | 0.182 | 1500. | 0.7 |
| 93 | 93.9 | 12.345 | 35.370 | 4.27 | 0.18 | 26.810 | 0.184 | 1500. | 0.4 |
| 95 | 96.0 | 12.342 | 35.369 | 4.33 | 0.18 | 26.810 | 0.187 | 1500. | 0.3 |
| 97 | 97.9 | 12.342 | 35.369 | 4.37 | 0.18 | 26.810 | 0.189 | 1500. | 0.3 |
| 99 | 100.1 | 12.348 | 35.371 | 4.31 | 0.18 | 26.810 | 0.192 | 1500. | 0.4 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 86 | 14 JUL 1982 | 1750 | 40°22.1'N | 68°20.8'W | 117 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 100 | 101.2 | 12.350 | 35.371 | 4.29 | 0.19 | 26.810 | 0.193 | 1500. | 0.3 |
| 101 | 102.0 | 12.350 | 35.371 | 4.28 | 0.18 | 26.810 | 0.194 | 1500. | 0.4 |
| 102 | 103.0 | 12.349 | 35.371 | 4.32 | 0.18 | 26.810 | 0.196 | 1500. | 0.7 |
| 103 | 104.0 | 12.349 | 35.371 | 4.33 | 0.18 | 26.810 | 0.197 | 1500. | 0.9 |
| 104 | 105.0 | 12.348 | 35.371 | 4.33 | 0.18 | 26.810 | 0.198 | 1500. | 1.0 |
| 105 | 106.0 | 12.349 | 35.371 | 4.31 | 0.18 | 26.810 | 0.199 | 1500. | 1.0 |
| 106 | 107.0 | 12.351 | 35.373 | 4.28 | 0.19 | 26.811 | 0.201 | 1500. | 1.0 |
| 107 | 108.0 | 12.351 | 35.374 | 4.29 | 0.19 | 26.812 | 0.202 | 1500. | 1.0 |
| 108 | 109.0 | 12.351 | 35.374 | 4.29 | 0.18 | 26.812 | 0.203 | 1500. | 0.8 |
| 109 | 110.0 | 12.351 | 35.374 | 4.32 | 0.18 | 26.812 | 0.204 | 1500. | 0.7 |
| 110 | 111.0 | 12.351 | 35.374 | 4.35 | 0.18 | 26.812 | 0.206 | 1500. | 0.5 |
| 111 | 112.0 | 12.351 | 35.373 | 4.32 | 0.18 | 26.812 | 0.207 | 1500. | 0.5 |
| 112 | 113.0 | 12.351 | 35.373 | 4.30 | 0.19 | 26.812 | 0.208 | 1500. | 0.5 |
| 113 | 114.0 | 12.351 | 35.374 | 4.29 | 0.18 | 26.812 | 0.209 | 1500. | 0.5 |
| 114 | 115.0 | 12.352 | 35.374 | 4.28 | 0.19 | 26.812 | 0.211 | 1500. | 0.6 |
| 115 | 116.0 | 12.352 | 35.374 | 4.25 | 0.19 | 26.812 | 0.212 | 1500. | 0.6 |
| 116 | 117.0 | 12.352 | 35.374 | 4.25 | 0.19 | 26.812 | 0.213 | 1500. | 0.6 |
| 117 | 118.1 | 12.352 | 35.374 | 4.29 | 0.18 | 26.812 | 0.215 | 1500. | 0.6 |
| 118 | 118.8 | 12.351 | 35.374 | 4.26 | 0.18 | 26.812 | 0.215 | 1500. | 0.6 |

STA 87 DAY: 14 TIME: 1732

| DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) | DEPTH (m) | TEMP (°C) |
|---|---|---|---|---|---|---|---|
| 0.0 | 22.0 | 30.2 | 18.5 | 59.3 | 15.5 | 101.8 | 13.0 |
| 1.0 | 22.0 | 31.1 | 18.4 | 60.2 | 15.4 | 102.8 | 13.0 |
| 1.9 | 22.0 | 32.1 | 18.4 | 61.2 | 15.4 | 103.7 | 13.0 |
| 2.9 | 22.0 | 32.1 | 18.3 | 62.2 | 15.3 | | |
| 3.9 | 21.9 | 33.1 | 18.3 | 62.2 | 15.3 | | |
| 4.9 | 21.8 | 33.1 | 18.2 | 63.1 | 15.1 | | |
| 4.9 | 21.7 | 34.1 | 18.1 | 63.1 | 15.1 | | |
| 5.8 | 21.6 | 34.1 | 18.0 | 64.1 | 14.9 | | |
| 6.8 | 21.5 | 35.0 | 17.9 | 64.1 | 14.8 | | |
| 7.8 | 21.4 | 35.0 | 17.9 | 65.1 | 14.7 | | |
| 7.8 | 21.3 | 35.0 | 17.8 | 65.1 | 14.6 | | |
| 8.8 | 21.2 | 36.0 | 17.7 | 66.0 | 14.5 | | |
| 8.8 | 21.1 | 36.0 | 17.7 | 67.0 | 14.3 | | |
| 9.7 | 20.9 | 37.0 | 17.6 | 67.0 | 14.1 | | |
| 9.7 | 20.9 | 37.9 | 17.5 | 68.0 | 14.1 | | |
| 10.7 | 20.8 | 38.9 | 17.5 | 68.0 | 13.9 | | |
| 11.7 | 20.8 | 38.9 | 17.4 | 69.0 | 13.8 | | |
| 12.7 | 20.7 | 39.9 | 17.3 | 69.9 | 13.8 | | |
| 12.7 | 20.6 | 39.9 | 17.2 | 69.9 | 13.7 | | |
| 12.7 | 20.6 | 39.9 | 17.2 | 70.9 | 13.6 | | |
| 14.6 | 20.6 | 40.9 | 17.1 | 70.9 | 13.5 | | |
| 15.6 | 20.5 | 40.9 | 17.1 | 71.9 | 13.5 | | |
| 15.6 | 20.4 | 41.8 | 17.0 | 73.8 | 13.4 | | |
| 16.6 | 20.3 | 41.8 | 16.9 | 74.8 | 13.4 | | |
| 17.5 | 20.3 | 41.8 | 16.6 | 76.7 | 13.4 | | |
| 18.5 | 20.2 | 41.8 | 16.8 | 77.7 | 13.4 | | |
| 18.5 | 20.1 | 42.8 | 16.7 | 78.6 | 13.4 | | |
| 19.5 | 20.0 | 42.8 | 16.7 | 79.6 | 13.4 | | |
| 19.5 | 19.9 | 43.8 | 16.5 | 80.6 | 13.3 | | |
| 20.4 | 19.8 | 44.7 | 16.5 | 80.6 | 13.3 | | |
| 20.4 | 19.7 | 46.7 | 16.5 | 81.5 | 13.3 | | |
| 21.4 | 19.6 | 46.7 | 16.5 | 82.5 | 13.4 | | |
| 22.4 | 19.5 | 47.6 | 16.4 | 84.4 | 13.3 | | |
| 22.4 | 19.5 | 48.6 | 16.4 | 84.4 | 13.3 | | |
| 22.4 | 19.4 | 49.6 | 16.4 | 85.4 | 13.2 | | |
| 23.4 | 19.4 | 50.6 | 16.3 | 85.4 | 13.2 | | |
| 24.3 | 19.4 | 50.6 | 16.2 | 87.3 | 13.2 | | |
| 24.3 | 19.3 | 51.5 | 16.2 | 88.3 | 13.2 | | |
| 25.3 | 19.2 | 51.5 | 16.2 | 88.3 | 13.2 | | |
| 25.3 | 19.2 | 52.5 | 16.1 | 89.2 | 13.2 | | |
| 26.3 | 19.1 | 52.5 | 16.0 | 90.2 | 13.2 | | |
| 26.3 | 19.1 | 53.5 | 15.9 | 91.2 | 13.2 | | |
| 27.3 | 19.0 | 53.5 | 15.9 | 92.1 | 13.2 | | |
| 27.3 | 18.9 | 55.4 | 15.9 | 93.1 | 13.2 | | |
| 27.3 | 18.8 | 55.4 | 15.8 | 94.1 | 13.2 | | |
| 28.2 | 18.7 | 55.4 | 15.7 | 96.0 | 13.1 | | |
| 28.2 | 18.7 | 56.4 | 15.6 | 96.0 | 13.0 | | |
| 29.2 | 18.6 | 57.3 | 15.6 | 97.0 | 13.0 | | |
| 29.2 | 18.6 | 57.3 | 15.5 | 98.9 | 13.0 | | |
| 29.2 | 18.5 | 59.3 | 15.5 | 100.8 | 13.0 | | |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 88 | 14 JUL 1982 | 1909 | 40°28.7'N | 68°25.6'W | 92 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 1.9 | 21.472 | 34.881 | 4.90 | 0.30 | 24.276 | 0.000 | 1525. | 11.8 |
| 4 | 4.1 | 21.484 | 35.028 | 4.98 | 0.31 | 24.384 | 0.008 | 1526. | 11.8 |
| 6 | 5.9 | 21.491 | 35.157 | 5.11 | 0.30 | 24.480 | 0.014 | 1526. | 11.8 |
| 8 | 8.1 | 21.514 | 35.203 | 5.14 | 0.30 | 24.509 | 0.022 | 1526. | 11.8 |
| 10 | 10.0 | 21.341 | 35.317 | 5.21 | 0.31 | 24.643 | 0.028 | 1526. | 11.8 |
| 12 | 12.0 | 21.142 | 35.362 | 5.23 | 0.30 | 24.732 | 0.035 | 1525. | 11.5 |
| 14 | 14.0 | 20.901 | 35.339 | 5.26 | 0.30 | 24.780 | 0.041 | 1525. | 11.3 |
| 16 | 16.0 | 20.634 | 35.430 | 5.30 | 0.28 | 24.922 | 0.047 | 1524. | 11.1 |
| 18 | 18.0 | 20.506 | 35.475 | 5.29 | 0.28 | 24.991 | 0.053 | 1524. | 10.4 |
| 20 | 20.0 | 20.424 | 35.481 | 5.28 | 0.28 | 25.017 | 0.059 | 1523. | 9.7 |
| 22 | 22.0 | 20.149 | 35.496 | 5.32 | 0.27 | 25.102 | 0.065 | 1523. | 9.1 |
| 24 | 24.0 | 20.033 | 35.507 | 5.33 | 0.26 | 25.141 | 0.071 | 1523. | 8.4 |
| 26 | 26.0 | 19.931 | 35.510 | 5.34 | 0.26 | 25.171 | 0.076 | 1522. | 8.5 |
| 28 | 28.0 | 19.804 | 35.503 | 5.36 | 0.25 | 25.198 | 0.082 | 1522. | 9.5 |
| 30 | 30.0 | 19.563 | 35.471 | 5.39 | 0.25 | 25.237 | 0.087 | 1521. | 10.2 |
| 32 | 32.0 | 19.287 | 35.450 | 5.36 | 0.25 | 25.293 | 0.093 | 1521. | 11.4 |
| 34 | 34.0 | 18.421 | 35.280 | 5.50 | 0.25 | 25.383 | 0.098 | 1518. | 12.5 |
| 36 | 36.0 | 17.447 | 35.197 | 5.59 | 0.27 | 25.559 | 0.103 | 1515. | 13.1 |
| 38 | 38.0 | 17.016 | 35.173 | 5.62 | 0.30 | 25.644 | 0.108 | 1514. | 13.2 |
| 40 | 40.0 | 16.157 | 35.105 | 5.75 | 0.36 | 25.794 | 0.112 | 1511. | 12.8 |
| 42 | 42.0 | 15.068 | 34.964 | 5.77 | 0.30 | 25.930 | 0.117 | 1508. | 11.8 |
| 44 | 44.0 | 14.507 | 34.891 | 5.63 | 0.24 | 25.996 | 0.121 | 1506. | 10.4 |
| 46 | 46.0 | 14.210 | 34.857 | 5.49 | 0.21 | 26.033 | 0.125 | 1505. | 8.9 |
| 48 | 48.0 | 13.997 | 34.837 | 5.39 | 0.20 | 26.063 | 0.129 | 1504. | 7.2 |
| 50 | 50.0 | 13.818 | 34.809 | 5.26 | 0.20 | 26.078 | 0.132 | 1503. | 5.5 |
| 52 | 52.0 | 13.749 | 34.800 | 5.18 | 0.20 | 26.086 | 0.136 | 1503. | 4.4 |
| 54 | 54.1 | 13.668 | 34.787 | 5.17 | 0.20 | 26.092 | 0.140 | 1503. | 3.7 |
| 55 | 55.9 | 13.618 | 34.780 | 5.21 | 0.21 | 26.097 | 0.144 | 1503. | 3.1 |
| 58 | 58.0 | 13.549 | 34.768 | 5.22 | 0.20 | 26.102 | 0.148 | 1503. | 2.8 |
| 59 | 59.9 | 13.469 | 34.753 | 5.25 | 0.20 | 26.107 | 0.152 | 1502. | 2.6 |
| 62 | 62.0 | 13.423 | 34.746 | 5.23 | 0.20 | 26.111 | 0.156 | 1502. | 2.4 |
| 64 | 64.0 | 13.376 | 34.737 | 5.21 | 0.20 | 26.113 | 0.159 | 1502. | 2.2 |
| 65 | 66.0 | 13.344 | 34.733 | 5.22 | 0.20 | 26.117 | 0.163 | 1502. | 2.1 |
| 67 | 67.9 | 13.326 | 34.729 | 5.18 | 0.20 | 26.118 | 0.167 | 1502. | 2.1 |
| 69 | 70.0 | 13.322 | 34.729 | 5.16 | 0.20 | 26.118 | 0.171 | 1502. | 2.2 |
| 71 | 72.0 | 13.307 | 34.729 | 5.17 | 0.20 | 26.122 | 0.175 | 1502. | 2.3 |
| 73 | 74.0 | 13.284 | 34.729 | 5.18 | 0.20 | 26.126 | 0.178 | 1502. | 2.4 |
| 75 | 75.9 | 13.244 | 34.724 | 5.18 | 0.21 | 26.130 | 0.182 | 1502. | 2.6 |
| 77 | 78.1 | 13.185 | 34.717 | 5.15 | 0.22 | 26.137 | 0.186 | 1502. | 2.6 |
| 79 | 80.0 | 13.164 | 34.716 | 5.17 | 0.22 | 26.141 | 0.190 | 1502. | 2.6 |
| 81 | 81.2 | 13.151 | 34.715 | 5.17 | 0.23 | 26.143 | 0.192 | 1502. | 2.6 |
| 81 | 82.0 | 13.149 | 34.716 | 5.15 | 0.22 | 26.143 | 0.193 | 1502. | 2.5 |
| 82 | 83.0 | 13.145 | 34.716 | 5.17 | 0.22 | 26.144 | 0.195 | 1502. | 2.4 |
| 83 | 84.0 | 13.132 | 34.717 | 5.16 | 0.23 | 26.148 | 0.197 | 1502. | 2.3 |
| 84 | 85.0 | 13.128 | 34.718 | 5.16 | 0.23 | 26.150 | 0.199 | 1502. | 2.2 |
| 85 | 86.0 | 13.122 | 34.719 | 5.13 | 0.23 | 26.151 | 0.201 | 1502. | 2.1 |
| 86 | 87.0 | 13.118 | 34.719 | 5.11 | 0.24 | 26.153 | 0.203 | 1502. | 2.1 |
| 87 | 88.0 | 13.118 | 34.720 | 5.10 | 0.24 | 26.153 | 0.205 | 1502. | 2.1 |
| 88 | 89.1 | 13.118 | 34.719 | 4.93 | 0.24 | 26.152 | 0.207 | 1502. | 2.1 |
| 89 | 89.6 | 13.113 | 34.719 | 4.78 | 0.25 | 26.153 | 0.208 | 1502. | 2.1 |

| SHIP | CRUISE | STATION | DATE | EST | LATITUDE | LONGITUDE | DEPTH |
|---|---|---|---|---|---|---|---|
| OC | 122 | 89 | 14 JUL 1982 | 2008 | 40°33.4'N | 68°28.6'W | 80 |

| DEPTH m | PRESS dbar | TEMP °C | SALIN psu | OXY ml/l | ATN $m^{-1}$ | SIGT $gm/cm^3$ | DYHT A $10m^2/s^2$ | S SPD m/s | N cph |
|---|---|---|---|---|---|---|---|---|---|
| 2 | 2.1 | 20.045 | 34.238 | 5.50 | 0.28 | 24.170 | 0.000 | 1521. | 14.5 |
| 4 | 4.0 | 20.060 | 34.315 | 5.58 | 0.28 | 24.225 | 0.007 | 1521. | 14.5 |
| 6 | 6.0 | 20.073 | 34.395 | 5.62 | 0.28 | 24.282 | 0.014 | 1521. | 14.5 |
| 8 | 8.0 | 20.087 | 34.453 | 5.57 | 0.28 | 24.323 | 0.021 | 1521. | 14.5 |
| 10 | 10.0 | 20.121 | 34.650 | 5.50 | 0.27 | 24.464 | 0.029 | 1522. | 14.5 |
| 12 | 12.0 | 20.132 | 34.839 | 5.47 | 0.27 | 24.605 | 0.035 | 1522. | 15.0 |
| 14 | 14.0 | 19.727 | 35.075 | 5.47 | 0.26 | 24.892 | 0.042 | 1521. | 15.3 |
| 16 | 16.0 | 19.540 | 35.257 | 5.41 | 0.25 | 25.079 | 0.048 | 1521. | 14.9 |
| 18 | 18.0 | 19.468 | 35.301 | 5.39 | 0.25 | 25.132 | 0.053 | 1521. | 14.3 |
| 20 | 20.0 | 18.103 | 34.995 | 5.65 | 0.25 | 25.244 | 0.059 | 1516. | 13.2 |
| 22 | 22.0 | 17.139 | 34.826 | 5.80 | 0.26 | 25.348 | 0.064 | 1513. | 11.7 |
| 24 | 24.0 | 16.967 | 34.841 | 5.82 | 0.27 | 25.401 | 0.069 | 1513. | 10.6 |
| 26 | 26.1 | 16.829 | 34.971 | 5.86 | 0.29 | 25.534 | 0.075 | 1513. | 9.9 |
| 28 | 27.9 | 16.680 | 34.957 | 5.87 | 0.31 | 25.558 | 0.079 | 1512. | 9.2 |
| 30 | 30.0 | 16.266 | 34.871 | 5.90 | 0.32 | 25.588 | 0.084 | 1511. | 8.6 |
| 32 | 32.1 | 16.185 | 34.871 | 5.87 | 0.34 | 25.607 | 0.089 | 1511. | 8.5 |
| 34 | 34.0 | 15.924 | 34.831 | 5.92 | 0.36 | 25.636 | 0.094 | 1510. | 8.2 |
| 36 | 36.0 | 15.209 | 34.714 | 5.96 | 0.42 | 25.706 | 0.098 | 1508. | 8.3 |
| 38 | 38.0 | 14.684 | 34.637 | 5.97 | 0.38 | 25.761 | 0.103 | 1506. | 8.1 |
| 40 | 40.0 | 13.671 | 34.436 | 6.07 | 0.34 | 25.821 | 0.107 | 1502. | 7.7 |
| 42 | 42.0 | 12.857 | 34.270 | 6.05 | 0.27 | 25.857 | 0.112 | 1500. | 6.9 |
| 44 | 44.0 | 12.628 | 34.225 | 5.85 | 0.26 | 25.866 | 0.116 | 1499. | 5.8 |
| 46 | 46.0 | 12.458 | 34.191 | 5.71 | 0.25 | 25.874 | 0.120 | 1498. | 4.6 |
| 48 | 48.0 | 12.538 | 34.223 | 5.66 | 0.26 | 25.883 | 0.124 | 1499. | 3.5 |
| 50 | 50.0 | 12.553 | 34.233 | 5.64 | 0.25 | 25.887 | 0.129 | 1499. | 3.0 |
| 52 | 52.0 | 12.510 | 34.222 | 5.64 | 0.25 | 25.888 | 0.133 | 1498. | 3.0 |
| 54 | 54.0 | 12.503 | 34.226 | 5.66 | 0.25 | 25.892 | 0.137 | 1498. | 3.1 |
| 56 | 56.0 | 12.512 | 34.235 | 5.68 | 0.25 | 25.897 | 0.141 | 1499. | 3.2 |
| 58 | 58.0 | 12.564 | 34.260 | 5.65 | 0.26 | 25.906 | 0.146 | 1499. | 3.4 |
| 60 | 60.0 | 12.796 | 34.334 | 5.60 | 0.26 | 25.918 | 0.150 | 1500. | 3.6 |
| 61 | 61.9 | 13.029 | 34.404 | 5.51 | 0.25 | 25.926 | 0.154 | 1501. | 3.6 |
| 63 | 64.0 | 13.089 | 34.428 | 5.52 | 0.24 | 25.933 | 0.158 | 1501. | 3.5 |
| 65 | 66.0 | 13.107 | 34.446 | 5.50 | 0.24 | 25.943 | 0.162 | 1501. | 3.4 |
| 67 | 68.0 | 13.022 | 34.437 | 5.49 | 0.24 | 25.953 | 0.166 | 1501. | 3.1 |
| 69 | 70.0 | 13.012 | 34.437 | 5.45 | 0.24 | 25.955 | 0.170 | 1501. | 2.9 |
| 71 | 71.3 | 13.016 | 34.439 | 5.43 | 0.24 | 25.956 | 0.173 | 1501. | 2.7 |
| 71 | 72.0 | 13.013 | 34.438 | 5.42 | 0.24 | 25.956 | 0.175 | 1501. | 2.4 |
| 72 | 73.0 | 13.016 | 34.439 | 5.42 | 0.24 | 25.956 | 0.177 | 1501. | 2.4 |
| 73 | 74.0 | 13.008 | 34.442 | 5.41 | 0.24 | 25.960 | 0.179 | 1501. | 2.4 |
| 74 | 75.1 | 13.003 | 34.443 | 5.38 | 0.25 | 25.961 | 0.181 | 1501. | 2.4 |
| 75 | 75.8 | 13.006 | 34.449 | 5.35 | 0.27 | 25.966 | 0.182 | 1501. | 2.4 |

## Appendix II

Manufacturers' specifications for instruments used on R/V OCEANUS Cruise 122. See text for calibration of CTD.

| Instrument | Sensor | Range | Accuracy | Resolution |
|---|---|---|---|---|
| CTD | Conductivity | 1 to 65 mmho | ±0.005 mmhos | 0.001 mmhos |
| | Temperature | -32 to +32°C | ±0.005°C | 0.0005°C |
| | Pressure | 0-3200 dbar | ±3.2 dbar | 0.048 dbar |
| | Oxygen | 0-2 μA | ±2 nA | 0.5 nA |
| | Light | 0-4.50 v | ±0.1 v | 0.01 v |
| XBT* | T-4 | 0-460 m | ±0.1°C, ±2% depth | 0.01°C, 0.65 m |
| | T-5 | 0-1830 m | ±0.1°C, ±2% depth | 0.01°C, 0.65 m |
| | T-6 | 0-460 m | ±0.1°C, ±2% depth | 0.01°C, 0.65 m |
| | T-7 | 0-760 m | ±0.1°C, ±2% depth | 0.01°C, 0.65 m |
| | T-10 | 0-200 m | ±0.1°C, ±2% depth | 0.01°C, 0.65 m |
| Salinometer | — | 0-40 ppt | ±0.003 ppt | 0.0002 ppt |
| Winkler | — | 0-10 ml/l | ±0.04 ml/l | 0.2% |

*See text for discussion of temperature and depth accuracy.

## Appendix III.- NBIS CTD 9-track tape format

The NBIS CTD tape recorder interface writes two types of records; data records and header records. The records are 512 bytes (8 bits/byte) long. The usual sequence in a CTD cast will be one header record, followed by data records, followed by an End-Of-File.

### Data records

A single scan of CTD data is 13 bytes long, 1 byte of frame sync and 12 bytes of data (table 1). An integer number of data scans is packed into 512 byte data records. For the USGS CTD, a data record contains 39 scans of data, and the remaining 5 bytes in the data record are filled with zeros.

### Header records

A scan of header information consists of 8 bytes. The first byte is frame sync, which is either 00 (all "0"s) or FF (all "1"s). The remaining 7 bytes represent 14 BCD digits (4 bits each) which may be set on the CTD front panel. The 8 byte scan of header information is padded with zeros. One header record is written on the 9-T tape when "enter CTD header" data button is pushed.

Appendix Table III-1. - Bit assignments for USGS NBIS CTD

| Byte | Variable | Range | Conversion |
|---|---|---|---|
| 1 | Frame sync | 15 or 240 | |
| 2 | Pressure LSB | 0-65535 | ÷ 20 = P (dbars) |
| 3 | Pressure MSB | | |
| 4 | Temperature LSB | 0-65535 | ÷ 2000 = T (°C) |
| 5 | Temperature MSB | | |
| 6 | Conductivity LSB | 0-65535 | ÷ 1000 C (mmho) |
| 7 | Conductivity MSB | | |
| 8 | Sign | | LSB = pressure negative<br>2nd = temperature negative<br>3rd = oxygen temperature negative<br>4th-8th = zero |
| 9 | Oxygen current | 0-4096 | ÷ 2000 = current (µA) |
| 10 | (12 bits only) | | |
| 11 | Oxygen temperature | 0-255 | x 256 ÷ 2000 T (°C) |
| 12,13 | Transmission | 0-4096 | x 32 ÷ 4096 = TR (volts) |

## Appendix IV. Methods for nutrient analysis

Automated methods for nutrients were based on Wood, Armstrong and Richards (1967) for nitrate, Bendschneider and Robinson (1952) for nitrite, Murphy and Riley (1962) for phosphate, Koroleff (1976) for silicate, Solorzano (1969) for ammonia, and described in Technicon Corp. Industrial method papers (1973). During analytical work with water samples some minor and major method changes have been made.

### References

Bendeschneider, K. and Robinson, R. J., 1952, A new spectrophotometric method for the determination of nitrite in sea water: Journal of Marine Research, v. 11, p. 87-96.

Koroloff, F., 1976, Determination of silicon in Methods of Sea Water Analysis, Grasshoff, K. (ed.), Verlag Chemie, Weinheim and New York, p. 149-158.

Murphy, J. and Riley, J. P., 1962, A modified single solution method for the determination of phosphate in natural waters, Analytica chim. Acta, v. 27, p. 31-36.

Solorzano, L., 1969, Determination of ammonia in natural waters by the phenolypochlorite method: Limnology and Oceanography, v. 14, p. 799-801.

Technicon Autoanalyzer II Industrial Method, 1973, n. 161-71W, 151-71W, and 98-70W.

Wood, E. D., Armstrong, F. A. J. and Richards, F. A., 1967, Determination of nitrate in sea water by cadium-copper reduction to nitrite: Journal of Marine Biology Association, U. K., v. 47, p. 23-31.